

Sequence Listing

<110> Kumar Verneman 11
Singh, Lalji

<120> UNIVERSAL PRIMERS FOR WILDLIFE IDENTIFICATION

<130> U-013365-9

<140> 09/821782

<141> 2001-03-29

<160> 255

<210> 1

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer "mcb 398" for amplifying fragment of cytochrome b gene of animal species

<400> 1

taccatgagg acaaatatcta ttctg

25

<210> 2

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer "mcb 869" for amplifying fragment of cytochrome b gene of animal species

<400> 2

cctcctagtt tgttagggat tgatcg

26

```
<210> 3
     <211> 23
     <212> DNA
    <213> Artificial Sequence
    <220>
    <223> primer "AFF" for amplifying fragment of cytochrome b gene of
    <400> 3
   ctagtagaat gaatctgagg agg
                                                                              23
   <210> 4
   <211> 23
   <212> DNA
   <213> Artificial Sequence
   <220>
  <223> primer "AFR" for amplifying fragment of cytochrome b gene of
  <400> 4
  tatgcaaata ggaagtatca ttc
                                                                          . 23
  <210> 5
 <211> 328
 <212> DNA
 <213> adil.flesh
 <220>
 <223> DNA sequence generated from the confiscated skin of unknown animal
       origin using primers mcb398 and mcb869
<400> 5
tgaatctgag gaggettete agtagacaaa getaeeetga eacgattett tgeetteeae
ttcatccttc catttatcat ctcagctcta gcagcagtcc acctcctatt ccttcacgag
acaggateta acaacceete aggaatagta teegaeteag acaaaattee atteeaccea
                                                                          60
tactacacaa tcaaagatat cctgggcctt ctagtactaa tcctagcact catactactc
                                                                         120
gtcctattct caccagacct gttaggagac cccgataact acatccctgc caaccctcta
                                                                         180
aatacccctc cccatatcaa gcctgaat
                                                                         240
                                                                         300
                                                                         328
```

```
<210> 6
     <211> 328
    <212> DNA
    <213> bhz25t
    <220>
    <223> DNA sequence generated from the known tiger (Panthera tigris tigris)
          animal number 1 using primers mcb398 and mcb869
   <400> 6
   tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac
   ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag
   acaggateta acaacceete aggaatagta tetgaeteag acaaaateee gttecaccea
   tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc
                                                                            120
   gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta
                                                                            180
                                                                            240
   aacacccctc cccatatcaa gcgcgaat
                                                                            300
                                                                            328
   <210> 7
  <211> 328
  <212> DNA
  <213> bhz26t
  <220>
  <223> DNA sequence generated from the known tiger (Panthera tigris tigris)
        animal number 2 using primers mcb398 and mcb869
 <400> 7
 tgaatctgag gaggettete agtagacaaa gecaeeetga caegattett tgeetteeae
 ttcatcette catttatcat ctcageceta geageagtee acetectatt cetecatgag
                                                                           60
 acaggateta acaaceeete aggaatagta tetgaeteag acaaaateee gttecaceea
 tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc
                                                                          120
                                                                          180
 gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta
                                                                          240
 aacacccctc cccatatcaa gcgcgaat
                                                                          300
                                                                          328
 <210> 8
<211> 328
<212> DNA
<213> bhz30t
<220>
<223> DNA sequence generated from the known tiger (Panthera tigris tigris)
      animal number 3 using primers mcb398 and mcb869
```

60

<400> 8

```
tgaatctgag gaggettete agtagacaaa gecaeeetga caegattett tgeetteeae
    ttcatcette catttatcat ctcageceta geageagtee aceteetatt cetecatgag
                                                                              60
    acaggateta acaaceeete aggaatagta tetgaeteag acaaaateee gttecaeeea
    tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc
                                                                             120
                                                                             180
    gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta
                                                                             240
    aacacccctc cccatatcaa gcgcgaat
                                                                             300
                                                                             328
   <210> 9
   <211> 328
  <212> DNA
   <213> bhz45t
   <220>
  <223> DNA sequence generated from the known tiger (Panthera tigris tigris)
        number 4 using primers mcb398 and mcb869
  <400> 9
  tgaatetgag gaggettete agtagacaaa geeaceetga eacgattett tgeetteeae
  ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag
                                                                            60
  acaggateta acaacecete aggaatagta tetgaeteag acaaaateee gttecaecea
                                                                           120
  tactacacaa tcaaagacat cetgggeett ctagtactaa teetaacact catactacte
                                                                           180
 gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta
                                                                           240
 aacacccctc cccatatcaa gcgcgaat
                                                                           300
                                                                           328
 <210> 10
 <211> 328
 <212> DNA
 <213> bhz56t
 <220>
<223> DNA sequence generated from the known tiger (Panthera tigris tigris)
   animal number 5 using primers mcb398 and mcb869
<400> 10
tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac
ttcatcette catttatcat etcageceta geageagtee aceteetatt cetecatgag
acaggateta acaacceete aggaatagta tetgaeteag acaaaateee gtteeaccea
                                                                          60
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc
                                                                         120
                                                                         180
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta
```

240

300 328

aacacccctc cccatatcaa gcgcgaat

```
<211> 328
  <212> DNA
  <213> bhz63t
  <220>
  <223> DNA sequence generated from the known tiger (Panthera tigris tigris)
        animal number 6 using primers mcb398 and mcb869
  <400> 11
  tgaatctgag gaggettete agtagacaaa gecaecetga cacgattett tgeetteeae
  ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag
                                                                            60
  acaggateta acaaeceete aggaatagta tetgaeteag acaaaateee gtteeaceea
                                                                           120
  tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc
                                                                           180
  gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta
                                                                           240
 aacacccctc cccatatcaa gcgcgaat
                                                                           300
                                                                           328
 <210> 12
 <211> 328
 <212> DNA
 <213> bhz20wt
 <220>
 <223> DNA sequence generated from the known white tiger (Panthera tigris
       tigris) animal number 1 using primers mcb398 and mcb869
 <400> 12
tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag
                                                                           60
acaggateta acaaeceete aggaatagta tetgaeteag acaaaateee gtteeaecea
                                                                          120
tactacacaa tcaaagacat cetgggcett ctagtactaa teetaacact catactacte
                                                                          180
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta
                                                                          240
aacacccctc cccatatcaa gcgcgaat
                                                                         300
                                                                         328
<210> 13
<211> 328
<212> DNA
<213> bhz22wt
<220>
<223> DNA sequence generated from the known white tiger (Panthera tigris
```

tigris) animal number 2 using primers mcb398 and mcb869

```
tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac
  ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag
                                                                             60
  acaggateta acaaceeete aggaatagta tetgaeteag acaaaateee gttecaeeea
                                                                            120
  tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc
                                                                           180
  gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta
                                                                           240
  aacacccctc cccatatcaa gcgcgaat
                                                                           300
                                                                           328
  <210> 14
  <211> 328
  <212> DNA
  <213> bhz23wt
  <220>
 <223> DNA sequence generated from the known white tiger (Panthera tigris
       tigris) animal number 3 using primers mcb398 and mcb869
 <400> 14
 tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac
 ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag
                                                                           60
 acaggatcta acaacccctc aggaatagta tctgactcag acaaaatccc gttccaccca
                                                                          120
 tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc
                                                                          180
 gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta
                                                                          240
 aacacccctc cccatatcaa gcgcgaat
                                                                          300
                                                                          328
 <210> 15
 <211> 328
<212> DNA
<213> bhz28wt
<220>
<223> DNA sequence generated from the known white tiger (Panthera tigris
      tigris) animal number 4 using primers mcb398 and mcb869
<400> 15
tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag
                                                                          60
acaggatcta acaacccctc aggaatagta tctgactcag acaaaatccc gttccaccca
                                                                         120
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc
                                                                         180
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta
                                                                         240
aacacccctc cccatatcaa gcgcgaat
                                                                         300
                                                                         328
```

<210> 16

<211> 328

```
<212> DNA
```

<213> gz1L

<220>

<223> DNA sequence generated from the known leopard (Panthera pardus) animal number 1 using primers mcb398 and mcb869

<400> 16

tqaatctgag gaggcttctc agtagacaaa gctaccttga cacgattctt tgccttcca	c 60
ttcatccttc catttatcat ctcagctcta gcagcagtcc acctcctatt ccttcacga	
acaggateta acaaccecte aggaatagta tecgaeteag acaaaattee attecacce	
tactacacaa tcaaagatat cctgggcctt ctagtactaa tcctagcact catactact	
gtcctattct caccagacct gttaggagac cccgataact acatccctgc caaccctct	
aatacccctc cccatatcaa gcctgaat	328

<210> 17

<211> 328

<212> DNA

<213> gz2L

<220>

<223> DNA sequence generated from the known leopard (Panthera pardus) animal number 2 using primers mcb398 and mcb869

<400> 17

tgaatctgag gaggcttctc	agtagacaaa	gctaccttga	cacgattctt	tgccttccac	60
ttcatccttc catttatcat	ctcagctcta	gcagcagtcc	acctcctatt	ccttcacgag	120
acaggateta acaaccete					180
tactacacaa tcaaagacat					240
gtcctattct caccagacct	gttgggagac	cccgataact	acatccccgc	caaccctcta	300
aatacccctc cccatatcaa					328

<210> 18

<211> 328

<212> DNA

<213> gz3L

<220>

<223> DNA sequence generated from the known leopard (Panthera pardus) animal number 3 using primers mcb398 and mcb869

ttcatccttc catttatcat ctcagctcta gcagcagtcc acctcctatt ccttcacgag acaggatcta acaacccctc aggaatagta tctgactcag acaaaattcc attccaccca tactacacaa tcaaagacat cctgggcctt ctagtactaa tcttagcact catactactc gtcctattct caccagacct gttgggagac cccgataact acatccccgc caaccctcta acataccctc cccatatcaa gcctgaat	120 180 240 300 328
<210> 19	
<211> 328	
<212> DNA	
<213> gz21CL	
<220>	•
<223> DNA sequence generated from the known clouded leopard (Neofelis nebulosa) animal number 1 using primers mcb398 and mcb869	
<400> 19	
tgaatctgag gaggettete agtagacaaa gecaceetga caegattttt egeetteeae tteateetee catttateat eteageetta geageagtte acettetatt teteeatgaa aaggateea ataaceeete aggaatggta teegatteag acaaaateee gtteeaeeeg taetatacaa teaaagatat eetaggeete etagttetaa ttetageget eacaetaett gttetattet eeceagaeet aetaggagae eetgacaatt acaeteeege caaceeteta aataceeete eecatateaa geetgaat	60 120 180 240 300 328
<210> 20	
<211> 328	
<212> DNA	
<213> gz22CL	
<220>	
<223> DNA sequence generated from the known clouded leopard (Neofelis nebulosa) animal number 2 using primers mcb398 and mcb869	
<400> 20	
tgaatctgag gaggettete agtagacaaa gecaecetga eacgattttt egeetteeae tteateetee eatttateat eteageetta geageagtte acettetatt tetecatgaa aaggateea ataaceeete aggaatggta teegatteag acaaaateee gtteeaeeeg taetatacaa teaaagatat eetaggeete etagttetaa ttetageget eacaetaett gttetattet eeeeagaeet aetaggagae eetgacaatt acaeteeege caaceeteta aataceeete eeeatateaa geetgaat	60 120 180 240 300 328
<210> 21	
<211> 328	
<212> DNA	

```
<223> DNA sequence generated from the known snow leopard (Panthera unica
        animal number 1 using primers mcb398 and mcb869
  <400> 21
  tgaatctgag gaggcttctc agtacacaaa gccaccctga cacgattctt tgccttccac
  ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag
                                                                            60
  acaggateta acaaceeete aggaatagta tetgaeteag acaaaateee gttecaeeea
                                                                           120
  tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc
                                                                           180
  gtcctattct caccagacct attaggggac gccgataact acatccccgc caaccctcta
                                                                           240
  aacacccctc cccatatcaa gcccgaat
                                                                           300
                                                                           328
  <210> 22
 <211> 328
 <212> DNA
 <213> darz15SL
 <220>
 <223> DNA sequence generated from the known snow leopard (Panthera unica)
       animal number 2 using primers mcb398 and mcb869
 <400> 22
 tgaatctgag gaggcttctc agtacacaaa gccaccctga cacgattctt tgccttccac
 ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag
                                                                           60
acaggatcta acaacccctc aggaatagta tctgactcag acaaaatccc gttccaccca
                                                                          120
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc
                                                                          180
gtcctattct caccagacct attaggggac gccgataact acatccccgc caaccctcta
                                                                          240
aacacccctc cccatatcaa gcccgaat
                                                                          300
                                                                          328
<210> 23
<211> 328
<212> DNA
<213> darz16SL
<220>
<223> DNA sequence generated from the known snow leopard (Panthera unica)
      animal number 3 using primers mcb398 and mcb869
<400> 23
tgaatctgag gaggcttctc agtacacaaa gccaccctga cacgattctt tgccttccac
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag
                                                                          60
acaggateta acaacecete aggaatagta tetgaeteag acaaaateee gtteeaceca
                                                                         120
                                                                         180
```

<213> darz14SL

<220>

```
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc
  gtcctattct caccagacct attaggggac gccgataact acatccccgc caaccctcta
                                                                            240
  aacacccctc cccatatcaa gcccgaat
                                                                            300
                                                                           328
  <210> 24
  <211> 328
  <212> DNA
  <213> sbz22AL
  <220>
 <223> DNA sequence generated from the known asiatic lion (Panthera leo
       persica) animal number 1 using primers mcb398 and mcb869
 <400> 24
 tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac
 ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctgtt cctccatgaa
                                                                           60
 acaggateta ataaceeete aggaatggta tetgaeteag ataaaattee attecateea
                                                                          120
 tactatacaa tcaaagatat cctaggcctt ctagtactaa tcttaacact catactactc
                                                                          180
 gtcctattct caccagacct attaggagat cccgacaact atacccccgc caatcctcta
                                                                          240
 agcacccctc cccatatcaa acctgaat
                                                                          300
                                                                          328
 <210> 25
 <211> 328
 <212> DNA
 <213> sbz38AL
 <220>
<223> DNA sequence generated from the known asiatic lion (Panthera leo
      persica) animal number 2 using primers mcb398 and mcb869
<400> 25
tgaatctgag gaggettete agtagacaaa gecaeeetga caegattett tgeetteeae
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctgtt cctccatgaa
                                                                          60
acaggateta ataaeeeete aggaatggta tetgaeteag ataaaattee atteeateea
                                                                          120
tactatacaa tcaaagatat cctaggcctt ctagtactaa tcttaacact catactactc
                                                                         180
gtcctattct caccagacct attaggagat cccgacaact atacccccgc caatcctcta
                                                                         240
agcacccctc cccatatcaa acctgaat
                                                                         300
                                                                         328
<210> 26
<211> 328
<212> DNA
<213> sbz39AL
```

<220>

<223> DNA sequence generated from the known asiatic lion (Panthera leo persica) animal number 3 using primers mcb398 and mcb869

<400> 26

tg	aatctgag	gaggettete	agtagagaa				
++	cataatta		agcagacaaa	gccaccctga	cacgattctt	tgccttccac	60
		cucciactat	CLCadeceta	acaacaataa	adataatatt		
ac	aggatcta	ataacccctc	addaatdata	tata =======	acceccige	attccatcca	120
t a	atataaa		aggaatggta	colgactcag	ataaaattcc	attccatcca	180
	ocacacaa	ccaaayatat	cctaggcctt	ctagtactaa	tattanant		
gt	cctattct	Caccagacct	attaggagat	22222	·	catactactc	240
arr	caccata		accaggagac	CCCgacaact	atacccccgc	caatcctcta	300
αg	cacccccc	cccatatcaa	acctgaat				
							328

<210> 27

<211> 328

<212> DNA

<213> humsk

<220>

<223> DNA sequence generated from the known human (Homo sapiens sapiens) using primers mcb398 and mcb869

<400> 27

tgaatctgag	gaggctactc	agtagacagt	cccaccctca	cacqattctt	taggttt	
ttcatcttqc	ccttcattat	tacaacaata	~~~~~	oacgacccc	tacctttcac	60
ttcatcttgc	200000	egeageceta	geageactee	acctcctatt	cttgcacqaa	120
~~jjjaccaa	acaacccccc	aggaatcacc	teccatteca	2+2222+		
tactacacaa	tcaaagacgc	cctcaactta	cttctcttcc	++	Cuccaccc	180
acactattct	Caccacaca			rreteteett	aatgacatta	240
acaccacta	caccagacct	cctaggcgac	ccagacaatt	ataccctage	Caacccctta	300
aacacccctc	cccacatcaa	gcccgaat		3 -		300
		5 5				328

<210> 28

<211> 328

<212> DNA

<213> chimss

<220>

<223> DNA sequence generated from the known chimpanzee (pan troglodytes) animal using primers mcb398 and mcb869

tgaatctgag	gaggetacte	agtagagag	aata			
tttatcttac	Cattantes	agcagacage	cctaccctta	cacgattctt	caccttccac	60
202000000	ccccactat	cacagcccta	acaacacttc	atctcctatt	caccttccac cttacacgaa	120
Jacouu	acaacccccc	gggaatcacc	teceaeteca	30333355		
- m - o a o a c a a	ccaaayatat	ccttggctta	ttccttttcc	taattataat		
acactattct	caccagacct	Cotagacast	CCacacaca	- t-	taacccccta	240
	3		ccayacaact	acaccctage	taacccccta	300

420 472

acttectatt tgeataegea atectaegat caatteecaa caaactagga gg

```
cagacaacta taccccagca aatccactca acacaccccc tcacatcaaa cctgaatgat
  acttectatt tgcatacgca atectacgat caatteecaa caaactagga gg
                                                                           420
                                                                           472
  <210> 31
  <211> 472
  <212> DNA
  <213> Cervus nippon keramae
  <400> 31
 taccatgagg acaaatatca ttctgaggag caacagtcat taccaacctt ctctcagcaa
 ttccatacat tggcacaaac ctagtcgaat ggatctgagg aggcttttca gtagataaag
                                                                            60
 caaccctaac ccgatttttc gccttccact ttattcttcc atttatcatc acagcactcg
                                                                           120
 ctatagtaca cttactcttc cttcacgaga caggatccaa caacccaaca ggaatcccat
                                                                           180
 cggacgcaga caaaatcccc ttccatcctt actataccat taaagatatc ctaggcatct
                                                                           240
 tacttctagt actcttcctg atattactag tattattcgc accagacctg cttggagatc
                                                                           300
 cagacaacta caccccagca aatccgctca acacacccc tcacatcaaa cctgaatgat
                                                                          360
 atttcctatt tgcatacgca atcctacgat caattcccaa caaactagga gg
                                                                          420
                                                                          472
 <210> 32
 <211> 472
 <212> DNA
 <213> Cervus nippon pulchellus
 <400> 32
 taccatgagg acaaatatca ttctgaggag caacagtcat taccaacctt ctctcagcaa
ttccatacat tggcacaaac ctagtcgaat ggatctgagg aggcttttca gtagataaag
                                                                           60
caaccctaac ccgatttttc gccttccact ttattcttcc atttatcatc acagcactcg
                                                                          120
ctatagtaca cttactcttc cttcacgaga caggatccaa caacccaaca ggaatcccat
                                                                          180
cggacgcaga caaaatcccc ttccatcctt actataccat taaagatatc ctaggcatct
                                                                          240
tacttctagt actcttcctg atattactag tattattcgc accagacctg cttggagatc
                                                                          300
cagacaacta caccccagca aateegetea acacaceee teacateaaa eetgaatgat
                                                                          360
attteetatt tgeataegea ateetaegat caatteecaa caaactagga gg
                                                                         420
                                                                         472
<210> 33
<211> 472
<212> DNA
<213> Cervus nippon nippon
<400> 33
taccatgagg acaaatatca ttctgaggag caacagtcat taccaacctc ctctcagcaa
ttccatacat tggcacaaac ctagtcgaat ggatctgagg aggcttttca gtagataaag
                                                                          60
caaccctaac ccgatttttc gccttccact ttattcttcc atttatcatc acagcactcg
                                                                         120
ctatagtaca cttactcttc cttcacgaga caggatccaa caacccaaca ggaatcccat
                                                                         180
                                                                         240
```

```
cggacgcaga caaaatcccc ttccatcctt actataccat taaagatatc ctaggcatct
  tacttctagt actcttcctg atattactag tattattcgc accagacctg cttggagatc
                                                                           300
  cagacaacta caccccagca aatccgctca acacacccc tcacatcaaa cctgaatgat
                                                                           360
  atttcctatt tgcatacgca atcctacgat caattcccaa caaactagga gg
                                                                           420
                                                                           472
  <210> 34
  <211> 472
  <212> DNA
  <213> Cervus elaphus scoticus
  <400> 34
 taccatgagg acaaatatca ttctgaggag caacagtcat caccaacctt ctctcagcaa
 ttccatatat tgggacaaac ctagtcgaat ggatctgagg aggcttttca gtagacaaag
                                                                           60
 caaccctaac ccgatttttc gctttccact ttattctccc atttatcatc gcagcactcg
                                                                          120
 ctatagtaca cttactcttc cttcacgaaa caggatctaa taacccaaca ggaattccat
                                                                          180
 cagacgcaga caaaatcccc tttcatcctt attataccat taaagatatc ttaggcatct
                                                                          240
 tacttettgt actettetta atattactag tattattege accagaceta ettggagate
                                                                          300
 cagataacta caccccagca aacccactca acacacccc tcatattaaa cctgaatgat
                                                                          360
 atttcctatt tgcatacgca atcctacgat caattcccaa caaactagga gg
                                                                          420
                                                                          472
 <210> 35
 <211> 472
 <212> DNA
 <213> Cervus dama
 <400> 35
taccatgagg acaaatatca ttctgaggag caacagttat taccaatctt ctctcagcaa
tcccatacat tggtacaaac ctagttgaat gaatctgagg aggcttttca gtagacaaag
                                                                          60
caacettaac tegattette getttecact ttattetace atteateatt geggeacttg
                                                                          120
ctatagtaca tttactcttt cttcacgaga caggatccaa taacccaaca ggaatcccat
                                                                          180
cagatgtaga taaaattccc tttcatccct actacaccat taaagatatt ttaggcatcc
                                                                         240
tattcctatt tctcttctta ataacactag tactatttgc accagacttg cttggagacc
                                                                         300
cagacaaata cactccagca aatccactca acacacctcc tcatattaaa cccgaatgat
                                                                         360
acttcctatt tgcatacgca atcctacgat caattcccaa taaattagga gg
                                                                         420
                                                                         472
<210> 36
<211> 472
<212> DNA
<213> Rangifer tarandus
<400> 36
taccatgagg acaaatatca ttctgaggag caacagttat cacaaacctc ctctcagcaa
ttccatatat tggtacaaat ctagtcgaat gaatttgagg aggattttct gtagataaag
                                                                          60
                                                                         120
```

```
caaccctaac ccgatttttt gcttttcact ttattcttcc atttattatc gcagcactcg
  ctatagtcca tttgcttttc cttcacgaaa cagggtctaa caatccaaca ggaattccat
                                                                           180
 cagactcaga taaaattcca ttccatccct attatactat caaagacatt ctaggcatcc
                                                                           240
  tactectaat tetetteett atactaetag tattatttge accagaetta etaggagaee
                                                                           300
 cagacaacta taccccagca aacccactca acactccccc tcatattaaa cctgaatgat
                                                                           360
 actttctatt cgcatacgca atcctacgat caattccaaa taaactagga gg
                                                                           420
                                                                           472
 <210> 37
 <211> 472
 <212> DNA
 <213> Moschus fuscus
 <400> 37
 taccttgagg acaaatatct ttctgaggag cgacagttat taccaatctt ctctcagcaa
 ttccatacat tggtactaat ctggttgaat gaatttgagg aggcttctca gtagacaaag
                                                                           60
 caacactcac tcgattcttt gcctttcact tcattctccc atttatcatc gcagcactcg
                                                                          120
 ctatggttca cctactcttt ctccacgaaa caggatccaa caacccaaca ggaatcacat
                                                                          180
 cagatataga caaaatccca ttccacccct actacaccat caaagacatt ctaggtgtcc
                                                                          240
 tattactaat cttagtctta ataacactag tactattcac acctgattta cttggagacc
                                                                          300
 cggacaatta taccccagca aacccattaa atacgccccc acatattaaa cccgaatgat
                                                                          360
 atttcctatt tgcatatgcc attctacgat caattcccaa caaactagga gg
                                                                          420
                                                                          472
 <210> 38
<211> 472
<212> DNA
<213> Moschus leucogaster
<400> 38
taccttgagg acaaatatct ttctgaggag caacagttat taccaatctt ctctcagcaa
                                                                          60
ttccatacat tggtactaat ctggttgaat gaatttgagg aggcttctca gtagacaaag
caacactcac ccgattcttt gccttccact tcattctccc atttatcatc gcagcactcg
                                                                         120
                                                                         180
ctatggttca cctactcttt ctccacgaaa caggatccaa caacccaaca ggaatcacat
                                                                         240
cagatataga caaaatccca ttccacccct actacaccat caaagacatt ctaggtgtcc
tattactaat cttagtctta ataacactag tactattcac acctgattta cttggagacc
                                                                         300
                                                                         360
cggacaatta taccccagca aacccattaa atacaccccc acatattaaa cccgaatgat
atttcctatt tgcatatgcc attctacgat caattcccaa caaactagga gg
                                                                         420
                                                                         472
<210> 39
<211> 472
<212> DNA
<213> Moschus chrysogaster
```

```
taccttgagg acaaatatct ttctgaggag caacagttat taccaatctt ctctcagcaa
  ttccatacat tggtactaac ctggttgaat gaatttgagg aggtttctca gtagacaaag
                                                                            60
  caacactcac tcgattcttt gccttccact tcattctccc atttatcatc gcagcactcg
                                                                            120
  ctatggttca cctactcttt ctccacgaaa caggatccaa caacccaaca ggaatcacat
                                                                            180
  cagacataga caaaatccca ttccacccct actacaccat caaagacatt ctaggtgtcc
                                                                           240
  tattactaat cctagtctta ataacactag tactattcac acctgattta cttggagacc
                                                                           300
  cggacaatta taccccggca aacccattaa atacgccccc acatattaaa cccgaatgat
                                                                           360
  acttectatt tgcatatgee atectaegat caatteecaa caaactagga gg
                                                                           420
                                                                           472
  <210> 40
 <211> 472
 <212> DNA
 <213> Moschus berezovskii
 <400> 40
 taccttgagg acaaatatct ttctgaggag caacagttat taccaatctt ctctcagcaa
 ttccttacat tggtactaat ctggttgaat gaatctgagg aggcttctca gtagacaaag
                                                                           60
 caacactcac ccgattcttt gccttccact tcatcctccc atttatcatc gcagcactcg
                                                                          120
 ctatggttca cctactcttt ctccacgaaa caggatccaa caacccaaca ggaatcatat
                                                                          180
 cagacataga caaaatccca ttccacccct actacactat caaagacatt ctaggtgtcc
                                                                          240
 taatactaat cttagtctta atagtactag tactattcac acccgattta cttggagacc
                                                                          300
 cggacaatta taccccagca aacccattaa acacaccacc acatattaaa cccgaatgat
                                                                          360
 actteetatt tgcatatgee attetaegat caatteecaa caaactagga gg
                                                                          420
                                                                          472
<210> 41
<211> 472
<212> DNA
<213> Moschus moschiferus
<400> 41
taccttgagg acaaatatct ttctgaggag caacagtcat cactaacctt ctctcagcaa
ttccctacat tggtactaac ctggttgagt gaatttgagg aggcttctca gtagacaaag
                                                                          60
caacactcac ccgattcttt gcctttcact ttatcctccc atttatcatt gcagcactcg
                                                                         120
ccatggttca tctactcttt ctccatgaaa caggatccaa taacccaaca ggaatcacat
                                                                         180
cagacataga caaaatccca tttcacccct actacaccat caaagatatt ctaggtatcc
                                                                         240
tattactaat cttaatctta atagcactag tgctatttac acccgaccta cttggagatc
                                                                         300
cggacaacta tactccagca aacccattaa atacacctcc acatattaaa cccgaatggt
                                                                         360
actttctatt tgcatatgcc attctacgat caattcctaa taaactagga gg
                                                                         420
                                                                         472
<210> 42
<211> 472
<212> DNA
```

<213> Kobus ellipsiprymnus

taccatgagg acaaatatcc ttctgaggag caacagtcat caccaatctc ctttcagcaa	
ttccatacat tggcacaaac ctagtcgaat gaatctgagg aggattttca gtagataagg	60
caaccettae cegettette geetteeaet ttatteteee atttateate geggetatta	120
ccatagteca tettetgttt etecatgaaa caggatecaa taateecaca ggaateteat	180
cagacataga taaaatccca ttccacagat agtagacata taatcccaca ggaatctcat	240
cagacataga taaaatccca ttccacccct acaagacatt ctaggcgccc	300
tactactaat cotagtocta atactoctag ttetattege eccegaceta ettggagate	360
ctgacaacta tgccccagca aacccactta acacgcccct cacaattaaa cctgaatgat	420
acttettatt egeatatgea attetaegat caateeecaa caaactagga gg	472
<210> 43	
(210) 4 3	
<211> 472	
(211) 4/2	
-010 - Days	
<212> DNA	
040	
<213> Kobus megaceros	
<400> 43	
taccatgagg acaaatatcc ttctgaggag cgacagtcat cactaatctc ctttcagcaa	60
boccatatat tygeacaaac ctagtegaat gaatetgagg aggattetga gtagagaan	120
dadeeetae eegettette geetteeaet ttateeteee atttateate geagetata-	
ctatagttca cctactattc cttcatgaaa caggatctaa caaccctaca gggatttcat	180
dagadadaga dadadddda ttddadddat attataddat caaagatatt ctaggtggg	240
dectation decidatacta atactectag tactatttgc coccaacata attagacata	300
ctgacaatta taccccagca aacccactta atacacctcc ccatattaaa cccgaatgat	360
atttcttatt cgcatacgca attttacggt caattcctaa taaactggga gg	420
a dia sa	472
<210> 44	
<211> 472	
<212> DNA	
<213> Redunca arundinum	
<400> 44	
taccatgagg acaaatatcc ttctgaggag caacagttat cactaatctt ctctcagcaa	
toccatacat cogcacaaac ctagtegrat cactaatett cteteageaa	60
teccatacat eggeacaaac etagtegaat gaatetgagg aggattetea gtegataaag	120
caaccettae ecgattette geetteeact ttateeteee atteattate acageeeteg	180
ctatagtaca cctactatte ctecaegaaa caggateeaa caaecetaca ggaateteat	240
cagatgtaga caaaatccca tttcatccat actatactat	300
tactgctaat cctagtccta atgctcttag tattattcac ccctgaccta ctcggagatc	360
ocgacianta tactecagea aatecaetea acacacecee teatattaaa ecogoateat	420
acttettatt tgeatatgea ateetaegat eaateeceaa taaactagga gg	472
<210> 45	

<210> 45

<211> 472

<212> DNA

<213> Redunca fulvorufula

<400> 45

taccataga	acaaatatcc	ttctcaccac	G22G26444			
-553333	acaaacaccc	ccccgaggag	Caacagttat	cactaacctt	ctctcagcaa	60
tcccatacat	cggcacaarc	ctagttgaat	gaatctgagg	aggrittetea	ataaataaaa	120
caaccctcac	togattette	gccttccact	ttatootooo	2555	atagccctcg	
~ + ~ + ~		Joecocacc	CLACCCCCCC	accuateate	atageceteg	180
ctatagtcca	cctactattc	ctccatgaaa	caggatccaa	caaccccaca	ggggtttcat	240
cagavataga	caaaatccca	ttccaccant	20120000		333300000	240
323	Judaucecca	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	actacaccat	caaagayatt	ctaggtgccc	300
tactactaat	cctqqcccta	acactattag	tactattcac	coatasaata	ctcggagacc	
~~~~~	33		caccaccac	cucigaceta	cccggagacc	360
eggacaatta	caccccagca	aacccactca	acacacccc	tcacatcaaa	ccagaatggt	420
acttcttatt	nacataggga	2+aa+aa=+			coagaacggc	420
	gcacacgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 46

<211> 472

<212> DNA

<213> Neotragus moschatus

<400> 46

tgccatgggg	acaaatatcc	ttctgaggag	caacagtcat	caccaatcta	ctatcagcaa	60
tcccatatat	cggcacaaac	ctagtcgaat	gaatctgagg	gggtttctca	gtagagaaag	120
caaccctcac	ccgattttt	gccttccact	tcattctccc	atttatcatc	gcagcactcg	180
ccatagtcca	cttactcttc	ctacacgaaa	caggatccaa	caaccccaca	ggaatctcat	240
cagacgcaga	caaaatccca	ttccacccct	actacaccat	taaaqacatt	ctaggcgcca	300
tcctactaat	tctagtgcta	acactcttag	ttttatttgc	acctgacctt	ttaggagagg	360
cagacaacta	cacccccgca	aaccctctta	acacgcctcc	ccatatcaaa	cccgaatgat	420
actttttatt	cgcatacgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 47

<211> 472

<212> DNA

<213> Pelea capreolus

<400> 47

taccatoaco	agaaatataa	++-+				
·	acaaatatee	ttctgaggag	caacagtcat	caccaacctt	ctctcagcaa	60
tcccatacat	tggtacaaac	ctagtcgaat	gaatctgagg	gggattttca	gtagacaaag	120
caaccctcac	ccattttt	gatttagaat	t+0+h-b	555	goagacaaag	120
	cegacette	getteedade	LLALLCECCC	atttatcatt	gcagccctca	180
ccatagtaca	cttgcttttt	cttcatgaaa	caggatctaa	taaccccacq	ggaattccat	240
ccgacataga	caaaattcca	ttccacccat	agtagagat	*****	ctaggcgcct	
	Januareeca	cccaccac	actacactat	Ladagatatt	ctaggcgcct	300
tattactaat	cctaatccta	acactcctag	tattatttac	ccctgaccta	ttaggagacc	360
ctgacaatta	cacccctgca	aacccgctca	202020000	+		
3	undedddyda	aaccegeeea	acacaceeee	ccatatcaaa	cccgaatgat	. 420
atttcctatt	tgcatatgcg	attctacgat	caattcccaa	caaactagga	gg	472

<210> 48

<211> 472

```
<212> DNA
 <213> Antilope cervicapra
 <400> 48
taccatgagg acaaatatct ttttgaggag caacagtcat caccaatctc ctttcagcaa
                                                                           60
tcccatacat cggtacaaac ctagtagaat gaatctgagg agggttctca gtagataaag
                                                                          120
caaccettae ecgattttte geetteeact ttateeteec atttateatt geageeetta
                                                                          180
ccatagtaca cctactgttt ctccacgaaa caggatccaa caaccccaca ggaatctcat
                                                                          240
cagacgcaga caaaattcca ttccaccct actacactat caaagatatc ctaggagctc
                                                                          300
tactattaat tttaaccctc atgettctag tcctattctc accggacctg cttggagacc
                                                                          360
cagacaacta tacaccagca aacccactta atacaccccc acatatcaag cccgaatgat
                                                                          420
acttectatt tgcatacgca atcetecgat caatteetaa caaactagga gg
                                                                          472
<210> 49
<211> 472
<212> DNA
<213> Saiga tatarica
<400> 49
taccatgagg acaaatatct ttctgaggag caacagtcat caccaatctc ctttcagcaa
                                                                          60
tcccatatat cggcacagac ctagtagaat gaatctgagg gggtttttca gtagataaag
                                                                         120
caaccetcae cegattette geetteeact teatecteec atttattate geageteteg
                                                                         180
ctatagtcca cctacttttt cttcacgaaa caggatctaa caaccccaca ggaatcccat
                                                                         240
cagattcaga caaaatccca ttccacccct actacaccat taaagacatt ctaggcgccc
                                                                         300
tactacttat tctaatcctc atacttctag tcctattttc accagacctg cttggagacc
                                                                         360
cagacaacta cacrecagca aacccactta acacacccc acatattaaa cccgaatgat
                                                                         420
acttectatt egeataegea ateeteegat eaatteetaa taaaetagga gg
                                                                         472
<210> 50
<211> 472
<212> DNA
```

<213> Gazella dama

taccatgagg	acaaatatct	ttctgagggg	caacagttat	cactaacctc	ctctcagcaa	60
tcccatacat	cggcacagac	ctagtagaat	gaatctgagg	aggattetea	gtagataagg	120
caacactcac	ccgattcttt	gccttccatt	tcatcttccc	attcatcatt	gcagcccttg	180
ccatagttca	tctattattt	cttcacgaaa	caggatccaa	caaccccaca	ggaatttcat	240
cagatgcaga	caaaattccg	ttccacccct	actacaccat	caaagacatt	Ctaggaggag	300
tactattaat	tctagccctc	atactcctag	ttctattcac	accagatetg	cttggagacc	360
cagacaacta	cacaccagca	aatccactca	atacaccccc	acatattaag	cctgagcgat	420
atttcctatt	tgcatacgca	attctccgat	caattcctaa	taaactagga	gg	472

```
<211> 472
<212> DNA
<213> Ourebia ourebi
<400> 51
taccatgagg acaaatatcc ttttgaggag caacagtcat caccaacctc ctctcagcaa
                                                                          60
ttccatacat tggtacaaac ctagtcgaat gaatctgagg agggttctca gtagacaagg
                                                                         120
caactctaac ccgattcttt gccttccact tcatcctccc attcatcatt gcagcccttg
                                                                         180
ccacagtcca cctactattc cttcacgaaa cgggatccaa caatcccaca ggaatttcat
                                                                         240
cagatgcaga caaggtccca ttccacccct actacaccat taaagacatc ctaggcgcct
                                                                         300
tectactaat tetageeete atgeteetag teetatteae accagacetg ettggagace
                                                                         360
cagacaacta tacaccagca aacccactaa atacacccc acatattaaa cctgagtggt
                                                                         420
atttcctatt cgcatacgca attctccgat cgattcccaa caaactagga gg
                                                                         472
<210> 52
<211> 472
<212> DNA
<213> Gazela gazella
<400> 52
taccatgagg acaaatatct ttctgaggag caacagttat cacgaacctc ctctcagcaa
                                                                          60
tcccatacat cggcacaaac ctagtagaat gaatctgagg gggattctcg gtagataaag
                                                                         120
caacactcac ccgattcttt gcttttcact ttatcctccc attcatcatt gcagcctcg
                                                                         180
ctatagtcca cttattattc cttcatgaaa caggatccaa taaccccaca ggaatttcat
                                                                         240
cagacgcaga caaaatccca tttcacccct actacaccat caaggacatt ctaggagcac
                                                                         300
tactactaat cctagttctt atactcctag ttctgttctc accggaccta ctcggagacc
                                                                         360
cagacaacta tacaccagca aatccactca acacacccc acacatcaaa cctgaatggt
                                                                         420
acttettatt egeatatgea atteteegat eaatteeeaa taaactagga gg
                                                                         472
<210> 53
<211> 472
<212> DNA
<213> Raphicerus melanotis
<400> 53
taccatgggg acaaatatcc ttttgaggag caacagtcat cactaatctc ctctcagcaa
                                                                          60
ttccctacat tggcacaaac ctagtagaat ggatctgagg aggattttca gttgataaag
                                                                         120
caaccetcae cegattette getttteact teagttetee atttateate geageectag
                                                                         180
ctatagttca cctacttttc ctccacgaaa ctggatccaa caaccccaca ggaagtttat
                                                                         240
cagatataga caaaatccca tttcacccct actacaccat taaagacatt ttaggagccc
                                                                         300
tcctattaat cctaaccctt atgcttctag ttctattcgc accagaccta ctcggagacc
                                                                         360
cagacaacta tacaccagca aacccactca acacacccc acatatcaaa cccgaatggt
                                                                         420
attttctatt cgcatatgca attctccggt caattcccaa taaattagga gg
                                                                         472
```

```
<212> DNA
<213> Madoqua kirkii
<400> 54
tgccatgagg acaaatatcc ttctgaggag caacagttat cactaacctc ctctcaqcaa
                                                                          60
tcccatatat cggcacaaac ttagttgaat gaatctgagg gggcttctca gtagacaaag
                                                                         120
caaccetcae cegattette geetteeatt ttatteteec atteattatt geageectag
                                                                         180
ccatggttca cctcctcttt ctccatgaaa cgggatccaa cagccccaca ggcatttcat
                                                                         240
cagacgcaga cggaatccca ttccgcccct actacactat taaagacatc ctaggcgccc
                                                                         300
tactactaat tataggcctc atactcctag ttctattctc accagacctg ctcggagacc
                                                                         360
cagacaacta cacaccagca aatcccctta acacgccccc acacattaaa cctqaatqat
                                                                         420
atttcctatt cgcatatgca atcctccqat caatccctaa caaactagqq qq
                                                                         472
<210> 55
<211> 472
<212> DNA
<213> Antilocapra americana
<400> 55
taccatgagg acaaatatca ttctgagggg caacagtcat tactaaccta ctctcagcaa
                                                                          60
tcccatacat tqqtactaac ctaqtaqaat qaatctqaqq qqqattctca qtaqacaaaq
                                                                         120
caacceteae ecqattette geatteeaet ttateeteee atteateatt geageactag
                                                                         180
ccatagtaca cttactattc ctccacgaaa caggatccaa caaccccaca ggaatcccat
                                                                         240
cagacgcaga caaaatccca ttccacccat actacaccat caaagacatt ctaggagcac
                                                                         300
tactaataat cttagcccta ataatactag tactattctc accagacctg ttaggagacc
                                                                         360
cogacaacta cacaccaget aacccactca acactccccc acacattaag ccagaatgat
                                                                         420
attteetatt egeataegea ateetaegat eaateeetaa eaaactagga gg
                                                                         472
<210> 56
<211> 472
<212> DNA
<213> Tragulus javanicus
<400> 56
taccetgagg acagatatet ttetgaggag ceacagteat caccaacete ttatcageta
                                                                          60
tcccatacat tggcacagac ttggtcgaat gaatctgagg tggtttttca gtagacaaag
                                                                         120
caaccettac acgattettt geettecaet ttateettee atttateatt acageectag
                                                                         180
toctagtoca cottttattt otocacgaaa caggatotaa taaccccaca ggaatoccct
                                                                         240
cagacgcaga caaaatcccc ttccacccat actacactat taaagacatt ctaggggttc
                                                                         300
tageectatt tetageecta atactaetag teetattete accegaceta ettggagaec
                                                                         360
cagataacta cacccccgcc aaccccctta acacaccacc ccatatcaaa cccgaatgat
                                                                         420
atttettatt tgeataegea attetteggt eaateeceaa taaactagga gg
                                                                         472
```

<211> 472

```
<210> 57
<211> 472
<212> DNA
<213> Tragulus napu
<400> 57
taccctgagg gcaaatatct ttttgaggag ctacagtcat cactaacctt ctttcagcaa
                                                                          60
teccetatat eggeacegaa etagttgaat gaatetgagg egggttetea gtagacaaag
                                                                         120
caaccettac acgatttttt geetteeact teatecteec atttgteatt acageectag
                                                                         180
ccctagtcca tcttttattt ctccacgaga caggatcaaa taaccccaca ggaatccct
                                                                         240
cagacgcaga caagatcccc ttccacccat actacaccat caaagatgtc ctaggggctc
                                                                         300
tagtcctaat actagtcctt ctattactag tcctattttc accggacttg ttgggagacc
                                                                         360
ccgacaatta cactccggca aaccccctca acacaccacc tcatattaag ccagagtggt
                                                                         420
atttcctatt cgcatacgca atcctacgat caatccccaa taaattagga gg
                                                                         472
<210> 58
<211> 472
<212> DNA
<213> Balaenoptera acutorostrata
<400> 58
taccctgagg acaaatatca ttttgaggtg caaccgtcat caccaacctc ctatcagcaa
                                                                          60
teccatatat tggtaetaee ttagtegaat gaatetgagg tggettetet gtagacaaag
                                                                         120
caacattaac acgetttttt geetteeact teatecteec ttttattate etageattag
                                                                         180
caattgtcca cctcattttc ctccacgaaa caggatccaa taaccccaca ggtatcccat.
                                                                         240
ctgacataga caaaatccca ttccacccct actacacaat caaagacatt ctaggcgccc
                                                                         300
tactactaat tetaacceta etageactaa eeetattege aceggaeetg ettggagaee
                                                                         360
ccgacaacta taccccagca aacccactca gtaccccagc acacattaaa ccagaatgat
                                                                         420
acttectatt egeataegea atectaegat caateeetaa taaactagge gg
                                                                         472
<210> 59
<211> 472
<212> DNA
<213> Balaenoptera bonaerensis
<400> 59
taccetgagg acaaatatca ttttgaggeg caacegteat caccaacete etateageaa
                                                                          60
tcccatacat tggtaccacc ttagttgaat gaatctgagg tggcttctct gtagacaaag
                                                                         120
caacattaac acgetttttc geettecact teatectece tttcattate ctageattag
                                                                         180
caattgtcca cctcattttc ctccgcgaaa caggatccaa taaccccaca ggtattccat
                                                                         240
ctgatataga caaaatccca ttccaccct attacacaat caaagacatt ctaggcgccc
                                                                         300
tactactaat tctaacccta ctaacactaa ccctattcgc acccgacctg ctcggagacc
                                                                         360
ccgacaacta caccccagca aacccactca gtaccccagc acacattaaa ccagaatgat
                                                                         420
attttctatt cgcatacgca atcctacgat caatccccaa taaactaggc gg
                                                                         472
```

```
<210> 60
  <211> 472
  <212> DNA
  <213> Balaenoptera borealis
  <400> 60
 taccctgagg acaaatatca ttttgaggcg caaccgtcat caccaacctc ttatcagcaa
 tcccatacat tggtactacc ctagtcgaat ggatctgagg cggtttctct gtagataaag
                                                                            60
 caacactaac acgetttttt geettecaet teatteteee etteattatt etageaetag
                                                                           120
 caatggtcca cctcattttc ctccatgaaa caggatccaa caaccccaca ggtattccat
                                                                           180
 ccgacataga caaaatccca ttccaccctt actacacagt taaagacatt ctaggcgccc
                                                                           240
 tactactaat cctaacccta ctaatactaa ccctattcgc acccgacctg cttggagacc
                                                                           300
 cagacaacta caccccagca aatccactca gtaccccagc acacattaaa ccagaatgat
                                                                           360
 atttcctatt tgcatacgca atcctacgat caatccccaa caaattaggc gg
                                                                           420
                                                                           472
 <210> 61
 <211> 472
 <212> DNA
 <213> Balaenoptera edeni
 <400> 60
 taccetgagg acaaatatea ttttgaggeg caacegteat caccaacete ttateageaa
tcccatacat tggtactacc ctagtcgaat gaatctgggg cggtttctct gtagataaag
                                                                           60
                                                                          120
caacactaac acgetttttt geetteeact ttateeteec etteattatt etageactag
caatggtcca cctcattttc ctccacgaaa caggatccaa taaccccaca ggtattccat
                                                                          180
                                                                          240
ccaacataga caaaatccca ttccacccct attacacaac taaagacatt ctaggcgccc
                                                                          300
tactactaat cctaacccta ctaatgctaa ccctattcgt acccgaccta cttggagacc
                                                                          360
cagacaacta cactecagea aatecaetea gtaeeeeaae acaeattaaa eeagaatgat
                                                                          420
atttcctatt tgcatacgca atcctacgat caattcccaa caaattaggc gg
                                                                          472
<210> 62
<211> 472
<212> DNA
<213> Eschrichtius robustus
<400> 62
taccetgagg acaaatatea ttetgaggeg caacegttat caccaacete etateageaa
tcccatacat tggcactacc ctagtcgaat gggtctgagg cggtttttct gtagataaag
                                                                          60
caacactaac acgettettt geetteeact teateettee atteattate etageactag
                                                                         120
caattgtcca ceteatttte etecaegaaa egggatecaa caaceecaca ggcattecat
                                                                         180
ccaacataga caatatccca ttccacccct attacacaat taaagacata ctaggcgccc
                                                                         240
                                                                         300
tgctactaat cctaacccta ctaatactaa ccctattcgc acccgacctg ctcggagacc
cagacaacta taccccagca aacccactca gcaccccaac acatattaaa ccagagtgat
                                                                         360
                                                                         420
atttcctatt tgcatacgca atcctacgat cgatccccaa caaattaggc gg
                                                                         472
```

```
<210> 63
  <211> 472
  <212> DNA
  <213> Balaenoptera musculus
  <400> 63
 tgccctgagg acaaatatca ttctgaggcg caaccgtcat caccaacctc ctatcagcaa
 teccatacat tggtactace etagtegaat gaatetgagg eggtttttet gtggataaag
                                                                         60
 caacactaac acgettettt geettecaet teatteteee etteateatt atageattag
                                                                        120
 caatcgtcca cctcatcttc cttcacgaaa caggatccaa caaccccaca ggtatcccat
                                                                        180
 ctgacataga taaaattcca ttccacccct actacacaat taaagacatt ctaggcgccc
                                                                        240
 tactactaat cctaacccta ctaatattaa ctctatttgc acccgactta ctcggagacc
                                                                        300
 cagacaacta caccccagca aacccactca gtaccccagc acacattaaa ccagagtgat
                                                                        360
 atttcctatt tgcatatgca atcctacgat caatccccaa caaattaggc gg
                                                                        420
                                                                        472
 <210> 64 ~
 <211> 472
 <212> DNA
 <213> Megaptera novaeangliae .
 <400> 64
 taccetgagg acaaatatea ttetgaggeg caacegteat caccaacett etateageaa
 tcccatacat tggtactacc ctagtcgaat gaatctgggg cggtttttcc gtagacaaag
                                                                        60
caacactaac acgtttcttt gctttccact tcatcctccc cttcatcatt acagcattag
                                                                       120
caatcgtcca cctcattttc ctccacgaaa caggatccaa caaccccaca ggcatcccat
                                                                       180
ccaacataga caaaatccca ttccaccctt actacacaat caaagacact ctaggcgccc
                                                                       240
300
cagataacta caccccagca aacccactca gtaccccagc acacattaaa ccagagtgat
                                                                       360
atttcctatt tgcatacgca atcctacgat caatccccaa caaactaggc gg
                                                                       420
                                                                       472
<210> 65
<211> 472
<212> DNA
<213> Balaenoptera physalus
<400> 65
tgccctgagg acaaatatca ttctgaggcg caactgtaat cactaacctc ctatcagcaa
teccatacat tggtaceace etagtegaat gaatetgagg eggtttetet gtagataaag
                                                                       60
caacactaac acgetttttt geettteact ttateeteec etteateate etageattag
                                                                       120
caattgtcca ccttattttc cttcacgaaa caggatccaa caaccccaca ggcatcccat
                                                                       180
ccgacataga taaaatccca ttccacccct accacacaat taaagacatt ctaggtgccc
                                                                      240
tattactaat cctaatccta ctaatactaa ccctattcgc acccgaccta cttggagacc
                                                                      300
cagacaacta taccccagca aacccactca gtaccccagc acacattaaa ccagaatggt
                                                                      360
                                                                      420
```

```
attttctatt cgcatacgca atcctacgat caatccccaa caaactaggc gg
                                                                        472
  <210> 66
  <211> 472
  <212> DNA
 <213> Caperea marginata
 <400> 66
 tgccctgagg acagatatca ttctgaggcg caaccgtcat caccaacctc ctatcagcaa
 teccatatat tggtaccace etagttgaat gaatetgggg tggettetee gtagacaaag
                                                                        60
 cgacactaac tcgcttcttt gctttccact tcatcctccc tttcattatt ctagcgctag
                                                                        120
 cagetgttca teteetttte etecaegaaa caggatetaa caaceecaca ggcateccat
                                                                       180
 ccaacataga caaaattcca ttccacccct actacacaat taaagacatc ctgggcgtcc
                                                                       240
 300
 ctgacaacta caccccagca aatcccctca gcaccccagc acacatcaag ccagaatgat
                                                                       360
                                                                       420
 acttectatt tgcatatgca atcetacgat caattectaa taaattaggt gg
                                                                       472
 <210> 67
 <211> 472
 <212> DNA
 <213> Cephalorhynchus commersonii
 <400> 67
taccetgggg acagatatea ttttgaggtg caacagteat caccaacete etatcagcaa
                                                                       60
tcccctacat cggtactacc ttagtagaat gaatctgagg cggattttcc gtagacaaag
caacactaac acgettttte geetteeact ttateeteec atteateate acageattag
                                                                       120
                                                                       180
cageegteea ectaetatte etaeaegaaa caggateeaa caaceecaca ggaateecat
ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ctaggcgctt
                                                                       240
                                                                       300
tattcctaat cctaacccta ctagcattaa ccctatttgc ccccgaccta ctaggagacc
                                                                       360
ctgataacta taccccagca aatccattaa gcacccccgc acacatcaaa ccagagtgat
acttectatt egeatatgea atectaegat caatteecaa taaaettgga gg
                                                                      420
                                                                      472
<210> 68
<211> 472
<212> DNA
<213> Cephalorhynchus eutropia .
<400> 68
taccctgggg acagatatca ttttgaggtg caacagtcat caccaacctc ctatcagcaa
                                                                       60
teceetacat eggtactace ttagtagaat gaatetgagg eggattttee gtagacaaag
                                                                      120
caacactaac acgettttte geetteeact ttateeteec atteateate acageattag
                                                                      180
cageegteea eetaetatte etaeaegaaa eaggateeaa eaaeeeeaea ggaateeeat
                                                                      240
ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ctaggcgctt
                                                                      300
```

```
tattectaat ectaaceeta etageaetaa ecetattege eeetgaeeta etaggagaee
  ctgataacta taccccagca aatccattaa gcacccccgc acacatcaaa ccagaatgat
                                                                           360
  acttcctatt cgcatatgca atcctacgat caattcctaa taaacttgga gg
                                                                           420
                                                                           472
  <210> 69
  <211> 472
 <212> DNA
 <213> Lagenorhynchus obliquidens
 <400> 69
 taccctgagg acagatatca ttctgaggtg caacagtcat caccaacctc ctatcagcaa
 teccetacat eggtactace ttagtagaat gaatetgagg eggattttee gtagacaaag
                                                                            60
 caacactaac acgetttttc getttecact ttateeteec atteateate acageattag
                                                                           120
 cageegteea ectaetatte etaeaegaaa caggateeaa caaceecaca ggaateecat
                                                                          180
 ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ctaggcgctt
                                                                          240
 tattectaat tetaaceeta etageaetaa eeetatteae eeetgaeeta etaggagaee
                                                                          300
 ctgataacta taccccagca aatccattaa gcaccccgc acacatcaaa ccagaatggt
                                                                          360
 acttectatt egeatatgea atectaegat caatteetaa taaaettgga gg
                                                                          420
                                                                          472
 <210> 70
 <211> 472
 <212> DNA
<213> Cephalorhynchus heavisidii
<400> 70
taccetgagg acaaatatea ttttgaggeg caacagteat caccaacete etateageaa
                                                                           60
tcccctacat cggtactacc ttagtagaat gaatctgagg cggattttcc gtggacaaag
                                                                          120
caacactaac acgettttte geetteeact ttateeteec atteateate acageattag
cageegteea tetaetatte etaeaegaaa caggateeaa caaceecaca ggaateecat
                                                                          180
                                                                          240
ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ctaggcgctt
                                                                          300
tattectaat tetageeeta etageaetaa eeetattege eeetgaeeta etgggagaee
ctgataacta taccccagca aatccattaa gcacccccgc acacatcaaa ccagaatgat
                                                                         360
acttectatt egeatatgea atectaegat caateeetaa taaaettgga gg
                                                                         420
                                                                         472
<210> 71
<211> 472
<212> DNA
<213> cephalorhynchus hectori
<400> 71
taccetgagg acaaatatea ttttgaggtg caacagteat caccaacete etateageaa
tcccctacat cggcactacc ttagtagaat gaatctgagg aggattttcc gtagacaaag
                                                                          60
caacactaac acgettttte geettteact ttateeteec atteateate acageattaa
                                                                         120
                                                                         180
```

```
cageegteca ectaetatte etaeaegaaa eaggateeaa eaaceecaea ggaatteeat
                                                                          240
 ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ttaggcgctt
                                                                          300
 tattectaat tetaateeta etageaetaa eeetattege eeetgaeeta etaggagaee
                                                                          360
 ctgataacta taccccagca aatccattaa acacccccgc acacatcaaa ccagaatgat
                                                                          420
 acttcctatt cgcatatgca atcctacgat caattcctaa taaacttgga gg
                                                                          ÷72
 <210> 72
 <211> 472
 <212> DNA
 <213> Lagenorhynchus australis
 <400> 72
taccctgagg acagatatca ttttgaggtg caacagtcat caccaacctc ctatcagcaa
                                                                           60
tcccctacat cggtactacc ttagtagaat gaatctgagg cggattttcc gtagataaag
                                                                          120
caacactaac acgettttte getttecact ttatectece atteateate acageattag
                                                                          180
cagccgtcca cttactattc ttacacgaaa caggatccaa caaccccaca ggaatcccat
                                                                          240
ccaacataga cataatccca ttccaccctt actacacaac taaagacatc ctaggcgctt
                                                                          300
tattectaat tetageecta etageactaa ecetatteae eeetgaeeta etaggagaee
                                                                          360
ctgacaacta taccccagca aatccattaa gcacccccgc acacatcaaa ccagaatgat
                                                                         420
atttcctatt cgcatatgca atcctacgat caattcctaa taaactcgga gg
                                                                          472
<210> 73
<211> 472
<212> DNA
<213> Lagenorhynchus cruciger
<400> 73
taccetgagg acagatatea ttttgaggtg caacagteat caccaacete etateageaa
                                                                          60
tcccctacat cggtactacc ttagtagaat gaatctgagg cggattttcc gtagacaaag
                                                                         120
caacactaac acgctttttc gctttccact tcatcctccc attcatcatc acagcattag
                                                                         180
cageegteea eetgetatte etacaegaaa caggateeaa caaceecaca ggaateecat
                                                                         240
ccaacataga cataatccca ttccaccctt actacacaat taaagacatc ctaggcgctt
                                                                         300
tattectaat ectaacecta etageactaa ecetgtteae eeetgaeeta etaggagaee
                                                                         360
ctgacaacta taccccagca aatccattaa gcacccccgc acacatcaaa ccagaatgat
                                                                         420
atttcctatt cgcatatgca atcctacgat caattcctaa taaactcgga gg
                                                                         472
<210> 74
<211> 472
<212> DNA
<213> Lagenorhynchus obscurus
<400> 74
```

```
tcccctacat tggtactacc ttagtagaat gaatctgagg cggattttcc gtagacaaag
                                                                          120
 caacactaac acgetttttc getttecact ttatectece atteateate acageattag
                                                                          180
 cagccgtcca cctactattc ctacacgaaa cagaatccaa caaccccaca ggaatcccat
                                                                          240
 ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ctaggtgctt
                                                                          300
 tatteetaat tetageeeta etaacaetaa eettatteae eeeegaeeta etaggagaee
                                                                          360
 ctgataacta taccccagca aatccattaa gcaccccagc acacatcaaa ccagaatgat
                                                                          ≟20
 atttcctatt cgcatacgca atcctacgat caattcctaa taaacttgga gg
                                                                          472
 <210> 75
 <211> 472
 <212> DNA
 <213> Lissodelphis borealis
<400> 75
taccetgagg geagatatea ttttgaggtg caacegteat caecaacete etateageaa
                                                                           60
tcccctacat cggtactacc ttagtagaat gaatctgagg cggattttcc gtagacaaag
                                                                          120
caacactaac acgettttte getttecact ttatectece atteateate acageattag
                                                                          180
cagctgttca cctactattc ctacacgaaa caggatccaa caaccccaca ggaattccat
                                                                          240
ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ctgggcgctt
                                                                          300
tattettaat tetggeeeta etageaetaa eeetatteae eeetgaeeta ttaggagaee
                                                                          360
ctgataacta caccccagca aatccattaa gcacccctgc acacatcaaa ccagaatggt
                                                                          420
acttectatt tgeataegea ateetaegat eaatteetaa taaaettgga gg
                                                                          472
<210> 76
<211> 472
<212> DNA
<213> Lissodelphis peronii
<400> 76
taccetgagg acagatatea ttttgaggtg caacegteat caccaacete etateageaa
                                                                          60
tcccctacat cggtactacc ttagtagaat gaatctgagg cggattttcc gtagacaaag
                                                                         120
caacactaac acgetttttc getttecact ttateeteec atteateate acageattag
                                                                         180
cagctgttca cctactgttc ctacacgaga caggatccaa taaccccaca ggaattccat
                                                                         240
ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ctgggcgctt
                                                                         300
tattettaat tetgaceeta etageaetaa eeetatttae eeetgacetg ttaggagate
                                                                         360
ctgataacta caccccagca aatccattaa gcacccctgc acacatcaaa ccagaatggt
                                                                         420
actttctatt cgcatacgca atcctacgat caattcctaa taaacttgga gg
                                                                         472
<210> 77
<211> 472
<212> DNA
<213> Globicephala macrorhynchus
```

taccetgagg acagatatea ttetgaggeg caacegteat caccaatete etateageaa tecettacat eggeaceace ttagtagaat gaatetgagg tggattttee gtagacaaag caacactaac acgttttte getttecact ttateeteec atteateate acageattag tagetgteea eetgetate etacacegaaa eaggateeaa taaceecata ggaateecat eetateatea eetageacea etacettaat eetageacta etaacactaa eeetatteac eetageacea etagagace etgataacta tacteeagea aateeactaa geaceectge acacateaaa eeggaatgat	60 120 180 240 300 360 420
atttcctatt cgcatatgca atcttacgat caattcccaa taaacttgga gg  <210> 78  <211> 472	472
<212> DNA	
<213> Globicephala melas	
<400> 78	
taccetgagg acagatatea ttetgaggeg caacegteat caccaatete etateageaa tecettacat eggeactace ttagtagaat gaatetgagg tggattttee gtagacaaag caacactaac acgttttte getttecact ttateeteec atteateate acaacattag tagetgteca cetgetatte etacacegaaa caggateeaa taaceceata ggaateecat ecaacataga cataatteea ttecacecet attatacaat taaagatate etaggegeec etaetettaat ectageacta etaacactaa ecetatteae eeetgaceta etaggagace etagataacta taeteeagea aacecactaa geacecetge acacateaaa ecagaatgat atteetatt egeatatgea atettaegat eaatteecaa taaacttgga gg	60 120 180 240 300 360 420 472
<210> 79	
<211> 472	
<212> DNA	
<213> Feresa attenuata	
<400> 79	
taccctgagg acagatatca ttctgaggcg caaccgtcat caccaatcte ctatcagcaa tcccttacat cggcaccact ttagtagaat gaatctgagg tggattttcc gtagacaaag caacactaac acgtttttc gctttccact ttatcctccc attcatcatc acagcattag tagctgttca cctgctattc ctacacgaaa caggatccaa taaccccaca ggaatcccat cacacataga cataattcca ttccaccct attatacaac taaagatatc ctaggtgccc tactcttaat tctaacatta ctaacactaa ccctgttcac ccctgaccta ctaggagacc ctgataacta tactccagca aacccactaa gcacccctgc acacatcaaa ccagagtgat atttcctatt cgcgtatgca atcttacgat caattcctaa taaacttgga gg	60 120 180 240 300 360 420 472
<210> 80	
<211> 472	
<212> DNA	

<213> Peponocephala electra

<213> Lagenorhynchus acutus

taccetgagg acagatatea ttetgaggeg caacegteat caccaatete etateageaa	60
tcccttacat cggaaccacc ttagtagaat gaatctgagg tggattttcc gtagacaaag	120
caacactaac acgtttttc gctttccact tcatcctccc attcatcatc acagcattgg	180
tagetgteca cetgetatte etacaegaaa caggatecaa taaceetaca ggaateecat	240
ccaacataga cataattcca ttccaccct attatacaat taaagacatc ctaggcgctc	300
tactettaat ettageacta etaacaetaa eeetatteae eeetgaeeta etaggagaee	360
ctaacaacta taccccagca aacccactaa gcacccctgc acacatcaaa ccagaatgat	420
atttcctatt cgcatatgca atcttacgat caattcccaa taaacttgga gg	472
	4/2
<210> 81	
<211> 472	
<212> DNA	
TATES DIA	
22125 Chamman 2014	
<213> Grampus griseus	
<400> 81	
taccctgagg acaaatatca ttctgaggcg caaccgtcat caccaatctc ctatcagcaa	60
tcccctacat cggtactact ttagtagaat gaatctgagg tggattttcc gtagacaaag	120
caacactaac acgetttte getttecact ttatectece atteateate acageattag	
tagetgttea cetgetatte etacaegaga caggatecaa taaceecaca ggaatecat	180
ccaacataga cataattcca ttccaccct attacacaat taaagacatc ctaggcgccc	240
tactcctaat cotaacacta ctacacata acceptation acceptatio	300
tactectaat cetaacacta etaacactaa eeetatteae eeetgaceta etaggagaee	360
ctgataacta cactccagca aacccgctaa gcacccctgc acacatcaaa ccagaatgat	420
atttcctatt cgcatatgca atcttgcgat caattcccaa caaacttgga gg	472
.210	
<210> 82	
<211> 472	
<212> DNA	
<213> Pseudorca crassidens	
<400> 82	
taccetgagg acagatatea ttetgaggeg caacegteat caccaatett etateageaa	
tcccctacat cggtaccact ttagtagaat gaatctgagg aggattttcc gtagacaaag	60
Caacactaac acottette actatagate yearcegay aggattitic gtagacaaag	120
caacactaac acgtttttc actctccact ttatcctccc attcatcatt acagcactaa	180
cagctaccca cctactattc ctacacgaga ctggatccaa taaccccaca ggaatccat	240
ccaacataga cataattcca ttccaccett attacacaat taaagatate ctaggegeee	300
tactettaat tetaacaeta etaacaetaa eestatteae eeegaeeta etaggagade	360
etgataacta tattecagea aacceactaa acaceeetge acacateaaa eeggaatgat	420
atttcctatt cgcatatgca atcttacgat caattcctaa taaacttgga gg	472
	- · <b>-</b>
<210> 83	
<211> 472	
<212> DNA	

taccatgagg acaaatatca ttctgaggcg caaccgttat caccaatctc ctatcagcaa	60
ceeeelacat eggeactace etagtagaat qaatetgagg eggattitee gtagagaaag	60 120
caacactgac acgettette geettecatt teatectece atteataatt agaggattaa	120 180
cayorgrida congeniate chacacqaqa caqqatecaa taaccetaca qqaatqqat	240
contract tagaget to carrett attatage to tagaget tagage	300
edetectaat tetaaeeeta etageaetaa eeetatteae eeetgageta etageagaa	360
organization cachecagea aatecaetaa qeaccectge acacateaaa geagaateat	±20
atttcctatt cgcatatgca atcctacgat caattcccaa caaacttgga gg	472
<210> 84	
(210) 01	
<211> 472	
<212> DNA	
<213> Orcinus orca	
<400> 84	
taccetgagg acagatatet ttetgaggeg caacegteat tactaatete etateageaa	60
coortiacat oggoaccaco tragtagaat qaatotgagg tggattttoo gragagaaag	120
caacactaac acgittetti geetteeact ttateeteec atteateate acagestas	180
cayougutea cotactigito otacacqaqa caqqatecaa taaccccaca qqaatqqqat	240
cedacataya tataateeca ttecaceett ateacacaat taaagatace etaggegee	300
tactettaat celaacectg etageactaa cettattege eegtgaceta etaggagage	360
cryacaacta taccccagca aatccactaa qcacccctqc acacatcaaa ccacaatgat	. 420
acttcctatt cgcatacgca atcctacgat cagttcccaa taaacttgga gg	472
	-1/2
<210> 85	
2011. ATO	
<211> 472	
<212> DNA	
ZIZZ DINA	
<213> Orcaella brevirostris	
1237 Olddella bleviloselis	
<400> 85	
taccetgagg acagatatec ttetgaggtg caacegteat caccaatete etateageaa	
tcccttacat cggcactacc ctagtagaat gaatctgagg tggattttcc gtagacaaag	60
caacactaac acgttttttc gccttccact ttatccttcc attcatcatc acagcactag	120
taactgttca cctactattc ctacacgaaa caggatccaa caatcctaca ggaatccat	180
ccaacataga cataatccca ttccaccett atcatacatt taaagacatc ctaggegece	240
tactettaat ettagteeta etaacaetaa eeetgtteae eeegaeeta etaggagaee	300
ctgataacta tactccagca aatccactaa gcacccctgc acacatcaaa ccagaatgat	360
acttectatt egeataegeg atectaegat caattectaa taaaeteggg gg	420
5g-g addeddydd caatteetaa taaaeteggg gg	472
•	
<210> 86	
·	
<211> 472	

<213> Delphinus capensis

<212> DNA

```
tgccctgggg acaaatatca ttctgaggcg caaccgtcat caccaacctc ttatcagcaa
                                                                           60
 tcccttatat tggcactacc ttagtcgaat gaatctgagg tggattctcc gtagacaaag
                                                                          120
 caacattaac acgettttte getttecact ttateettee atteateate acageattag
                                                                          180
 cagccgttca cctgctattc ctacacgaaa caggatccaa taaccccaca ggaatcccat
                                                                          240
 ccaatataga cataatccca ttccaccctt attatacaat caaagatatc ctaggtgcct
                                                                          300
 tactectaat ettaaceeta etageaetga eeetatteae teeagaeeta etaggagaee
                                                                          360
 ctgataacta taccccagca aatccactaa gcacccctgc acatatcaaa ccagaatgat
                                                                          420
 actttctatt cgcatacgca atcttacgat caatccctaa taaacttgga gg
                                                                          472
 <210> 87
 <211> 472
 <212> DNA
<213> Delphinus tropicalis
<400> 87
tgccctgagg acaaatatca ttctgaggcg caaccgtcat caccaacctc ttatcagcaa
                                                                          60
tcccttatat tggcactacc ttagtcgaat gaatctgagg tggattctcc gtagacaaag
                                                                          120
caacattaac acgctttttc gctttccact ttatcctccc attcatcatc acagcattag
                                                                          180
cageegttea eetgetatte etacaegaaa caggateeaa taaceecaca ggaateecat
                                                                          240
ccaacataga cataatccca ttccaccctt attatacaat caaagatatc ctaggtgccc
                                                                          300
tactcctaat cttaacctta ctagcactga ccctattcac tcccgaccta ctaggagacc
                                                                          360
ctgataacta taccccagca aatccactaa gcacccctgc acatatcaaa ccagaatgat
                                                                          420
actttctatt cgcatacgca atcttacgat caatccctaa taaacttgga gg
                                                                         472
<210> 88
<211> 472
<212> DNA
<213> Delphinus delphis
<400> 88
tgccctgagg acaaatatca ttctgaggcg caaccgtcat caccaacctc ttatcagcaa
                                                                          60
tcccttatat tggcactacc ttagtcgaat gaatctgagg tggattctcc gtagacaaag
                                                                         120
caacattaac acgetttttc getttecact ttatectece atteateate acageactag
                                                                         180
cageegttea cetgetatte etacaegaaa caggatecaa taaceecaca ggaateecat
                                                                         240
ccaatataga cataatccca ttccaccctt attatacaat caaagatatc ctaggtgcct
                                                                         300
tactectaat ettaaceeta etageaetaa eeetatteae teeegadeta etaggagaee
                                                                         360
ctgataacta taccccagca aatccactaa gcacccctgc acacatcaaa ccagaatgat
                                                                         420
actttctatt cgcatatgca atcttacgat caatccctaa taaacttgga gg
                                                                         472
<210> 89
<211> 472
```

<212> DNA

# <213> Stenella clymene

### <400> 89

tgccctgagg	acaaatatca	ttctgaggcg	caaccgtcat	caccaacctc	ctatcagcaa	60
tcccttatat	tggcactacc	ttagtcgaat	gaatctgagg	tggattctcc	gtagacaaag	120
caacattaac	acgctttttc	gctttccact	ttatcctccc	gttcatcatc	acagcattag	180
cagccgttca	cctgctattc	ctacacgaaa	caggatccaa	taaccccaca	ggaattccat	240
					ctaggtgcct	300
tactcctaat	cttaacccta	ctagcactaa	ccctattcac	ccccgaccta	ctaggagacc	. 360
	taccccagca					420
actttctatt	cgcatatgca	atcttacgat	caatccctaa	taaacttgga	aa	472

<210> 90

<211> 472

<212> DNA

<213> Stenella coeruleoalba

<400> 90

tgccctgagg	acaaatatca	ttctgaggcg	caaccgtcat	caccaacctc	ttatcagcaa	60
tcccttatat	tggcactacc	ttagtcgaat	gaatctgagg	tggattctcc	gtagacaaag	120
					acagcattag	180
					ggaattccat'	240
					ctaggtgcct	300
tactcctaat	cttaacccta	ctagcactaa	ccctattcac	ccccgaccta	ctaggagacc	360
ctgataacta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcttacgat	caatccctaa	caaacttgga	gg	472

<210> 91

<211> 472

<212> DNA

<213> Tursiops aduncus

<400> 91

tgccctgagg	acaaatatca	ttctgaggcg	caaccgtcat	caccaacctc	ttatcagcaa	60
tcccttatat	tggcactacc	ttagtcgaat	gaatctgagg	tggattctcc	gtagacaaag	120
		gctttccact				180
					ggaatcccat	240
					ctaggtgcct	300
		ctagcactaa.				360
		aatccactaa				420
actttctatt	cgcatacgca	atcttacgat	caatccctaa	taaacttgga	aa	472

<210> 92

<211> 472

```
<212> DNA
<213> Stenella frontalis
<400> 92
tgccctgagg acaaatatca ttctgaggcg caaccgtcat caccaacctc ttatcagcaa
tcccttatat tggcactacc ttagtagaat gaatctgagg tggattctcc gtagacaaag
caacattaac acgetttttc getttccact ttatcctccc gttcatcatc acagcattag
cagccgttca cctactattc ctacacgaaa caggatccaa taaccccaca ggaatcccat
ccaatataga cataatccca ttccaccctt attatacaat caaagacatc ctaggcgcct
tactcctaat cctaacccta ctagcactaa ccctattcac ccccgaccta ctaggagacc
ctgacaatta taccccagca aatccactaa gcacccctgc acacatcaaa ccagaatgat
actttctatt cgcatacgca atcttacgat caatccctaa taaacttgga gg
<210> 93
<211> 472
<212> DNA
<213> Sousa chinensis
<400>93
```

50

120

180

240

300

360

420

472

tgccctgagg	acaaatatca	ttctgaggcg	caaccgttat	caccaacctc	ctatcagcaa	60
tcccttacat	tggcactacc	ttagttgaat	gaatctgagg	cggattttcc	gtagacaaag	120
caacattaac	acgctttttc	gctttccact	ttatctttcc	cttcatcatc	acagcattag	180
tagccgttca	cctgctattc	ctacacgaaa	caggatccaa	taaccctaca	ggaattccat	240
ccaacataga	cataatccca	tttcaccctt	attatacaat	caaagacatc	ctaggtgcct	300
tactcctaat	cttaacccta	ctagcactaa	ccctattcac	ccccgaccta	ctaggagacc	360
ccgataacta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatacgca	atcttacggt	caatccctaa	taaacttgga	qq	472

<210> 94

<211> 472

<212> DNA

<213> Stenella longirostris

tacceteaee	202225250	++ =+ == == ==				
caccccgagg	acaaacacca	ttctgaggtg	caaccgtcat	caccaacctc	ctatcagcaa	60
tcccttatat	tggcactacc	ctagttgaat	gaatctgagg	tggattttcc	gtagacaaag	120
caacattaac	acgctttttc	gctttccatt	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	cctactattc	ctacacgaaa,	caggatccaa	taaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attatacaat	caaagacatc	ctaggtggct	300
tactcttaat	cttaacccta	ctagcactaa	ccctattcac	ccctgactta	ctaggagacc	360
ctgataacta	taccccagca	aatccactaa	acacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatacgca	atcttacgat	caatccctaa	taaacttgga	gg	472

```
<211> 472
<212> DNA
<213> Tursiops truncatus
<400> 95
tgccctgagg acaaatatca ttctgaggcg caaccgtcat caccaacctc ttatcagcaa
                                                                           60
tcccttatat cggcactacc ttagtcgaat gaatctgagg tggattttcc gtagacaaag
                                                                          120
caacattaac acgetttttc geettecact ttattettec atteatcate acageattgg
                                                                          180
cagccgttca cctactattc ctacacgaaa caggatccaa caaccccaca ggaatcccat
                                                                          240
ccaatataga cataatccca ttccaccctt attatacaat caaagacatc ctaggcgcct
                                                                          300
tactcttaat cttaacctta ctagcattaa ccctattcgc ccccgaccta ctaggagacc
                                                                          360
ctgataacta caccccagca aacccactaa gcacccctgc acacatcaaa ccagaatgat
                                                                          420
actttctatt cgcatacgca atcttacgat caatccctaa taagctcgga gg
                                                                          472
<210> 96
<211> 472
<212> DNA
<213> Lagenorhynchus alborostris
<400> 96
taccctgagg acaaatatca ttctgaggcg caaccgtcat cactaatctc ctatcagcaa
                                                                          60
tcccttatat cggtactacc ctagtagaat gaatctgagg tggattctcc gtagacaaag
                                                                         120
caacactaac acgettette getttecaet ttateeteec atteateate acageactag
                                                                         180
tagctgttca cctactattt ttacacgaga caggatccaa caaccccaca ggaatcccat
                                                                         240
ccaacataga tataattcca ttccaccctt attacacaat caaagacatc ctaggcgctt
                                                                         300
tacttttaat cctaacctta ctagcactaa ccctatttac ccccgaccta ctaggagatc
                                                                         360
ccgataacta taccccagca aatccactaa gcactcctgc acacatcaaa ccagaatggt
                                                                         420
atttcctatt cgcatatgca atcctacgat caatccctaa caaacttgga gg
                                                                         472
<210> 97
<211> 472
<212> DNA
<213> Steno bredanensis
<400> 97
taccetgagg acaaatatca ttetgaggtg caacegteat taccaacete etgteageaa
                                                                          60
tecettacat eggeactace ttggtagaat gaatetgagg eggattttee gtagacaaag
                                                                         120
caacactaac acgttttttc gctttccact ttatcctccc attcatcatc atagcattag
                                                                         180
caactgtcca cctactattc ctacacgaga caggatccaa caatcccaca ggaatcccat
                                                                         240
ccaacataga tataatccca ttccaccctt attacacaat caaagacatc ctaggcgcct
                                                                         300
tacttttaat cctaacttta ctagcactaa ccctattcac ccccgaccta ctaggagacc
                                                                         360
ccgacaacta taccccagca aatccactaa gcacccctgc acacatcaaa ccagaatggt
                                                                         420
atttcctatt cgcatacgca atcttacgat caatccccaa caaacttgga gg
                                                                         472
```

```
<211> 472
<212> DNA
<213> Sotalia fluviatilis
<400> 98
taccetgagg acaaatatca ttetgaggeg caacegteat taccaatete etateageaa
                                                                          60
tcccttacat cggcactacc ttagtagaat gaatctgagg cggattctcc gtagacaaag
                                                                         120
caacactaac acgetttttc geettecact ttatectece atttateate acageattag
                                                                         180
cagccgttca cctgctattc ctacacgaaa caggatccaa taatcccaca ggaatcccat
                                                                         240
ccaacataga tataattcca ttccaccctt attacacaat caaagatatc ctaggcgcct
                                                                         300
tactcctaat cctgacccta ctagcactaa ccctattcac ccccgaccta ctaggagatc
                                                                         360
ccgacaacta tactccagca aatccactta acacccctgc acacatcaaa ccaqaatgat
                                                                         420
atttcctatt cgcatatgca atcttacgat caatccctaa taaacttqqa qq
                                                                         472
<210> 99
<211> 472
<212> DNA
<213> Delphinapterus leucas
<400> 99
taccetgagg acaaatatca ttetgaggeg caacegteat taccaatete etateageaa
                                                                          60
tcccttacat cggtaacacc ttagtagaat gaatctgagg tgggttctcc gtagacaaag
                                                                         120
caacactaac acgettette acettecact ttatectece atteateatt acageqetag
                                                                         180
tagccgtcca tttattattc ctacacgaaa caggatccaa caaccccaca ggaatcccat
                                                                         240
ccaacatgga tacaatccca ttccacccct actacacaat caaagacatc ctaggtgctt
                                                                         300
tactactaat cctaacccta ttaacagtaa ccctattcac acctgacctc ctaggagacc
                                                                         360
cagacaatta caccccagca aacccactaa acacccccgc acacatcaaa ccagaatggt
                                                                         420
acttectatt tgcatacaca atcetacgat caatceccaa caaactagga gg
                                                                         472
<210> 100
<211> 472
<212> DNA
<213> Monodon monoceros
<400> 100
taccctgagg acaaatatca ttctgaggtg caaccgtcat caccaacctc ctatcagcaa
                                                                          60
tcccttacat cggcaacacc ttagtagaat gaatctgagg tgggttttct gtagataaag
                                                                         120
caacactaac acgettette acettecaet ttatectece atteateate acageactag
                                                                         180
tggccgtcca cttattattc ctacacgaaa caggatccaa caaccccaca ggaatcccat
                                                                         240
ccaacataga cataatcccc ttccatccct actacacaat caaagacatg ctaggcgctt
                                                                         300
tectactaat ectaatteta etageaataa eeetaeteae aeetgaeete etaggagaee
                                                                         360
ctgacaatta taccccagca aacccactaa gcacccctgc acacatcaaa ccagaatgat
                                                                         420
attteetatt tgeatacgea atectaegat caateeceaa caaactagga gg
```

472

```
<211> 472
<212> DNA
<213> Platanista gangetica
<400> 101
taccctgagg acaaatatca ttctgaggtg caaccgtcat caccaacctt ttatcagcaa
                                                                          60
tcccttatat cggcagtacc ctagtcgagt gaatctgagg tggcttttcc gtagataaag
                                                                         120
caacactaac acgattettt geettteact teatectece ttteateate etaacactag
                                                                         180
caattatcca cctactattc ctacacgaaa caggetcaaa caaceccaca ggaattccat
                                                                         240
ccgacactga caaaatccct ttccacccct actacacaat caaagacacc ctaggcgccc
                                                                         300
tcatcctaat cctaacctca ctcacattaa ccttatttac acctgaccta ctaggagacc
                                                                         360
ccgataacta caccccagca aacccgctta ataccccagc acatatcaaa ccagagtgat
                                                                         420
atttcctatt tgcatacgca atcttacggt caatccccaa taaactagga gg
                                                                         472
<210> 102
<211> 472
<212> DNA
<213> Platanista minor
<400> 102
taccetgagg acaaatatca ttetgaggtg caaccgteat caccaacctt ttatcagcaa
                                                                          60
tcccttatat cggcagtacc ctagtcgagt gaatctgagg tggcttttcc gtagataaag
                                                                         120
caacactaac acgattettt geettteact teatecteec ttteateate etaacactag
                                                                         180
cagttatcca cctactattc ctacacgaaa caggctcaaa caaccccaca ggaattccat
                                                                         240
ccaacactga caaaatccct ttccacccct actacacaat caaagacacc ctaggcgccc
                                                                         300
tcatcctaat cctaacctca ctcacattaa ccttatttac acctgaccta ctaggagacc
                                                                         360
ccgataacta caccccagca aacccgctta ataccccagc acatatcaaa ccagagtgat
                                                                         420
atttcctatt tgcatacgca atcttacggt caatccccaa taaactagga gg
                                                                         472
<210> 103
<211> 472
<212> DNA
<213> Kogia breviceps
<400> 103
taccctgagg ccaaatatca ttctgaggag caaccgtcat caccaacctt atatccgcaa
                                                                          60
ttccttatat cggcaccacc ctagtagaat gagtctgagg tggcttctcc gtagacaaag
                                                                         120
ccacattaac acgcttcttt gcctttcact tcatcctccc ctttatcatc ctagcactgg
                                                                         180
caatggtcca cctcttattt ctccacgaaa caggatccaa caaccccata qqaatcccat
                                                                         240
ccgacataga caaaatccca ttccacccct actacacaat caaggacatc ttaggcgccc
                                                                         300
tactgctaat ctcagcgcta cttacattaa ccctattcgc accagaccta ttaggagacc
                                                                         360
ctgacaacta caccccagca aacccactaa gcaccccggc acacattaaa ccagaatgat
                                                                         420
atttcctatt tgcatatgcc atcctacgat ccatccctaa caaactaggg gg
                                                                         472
```

```
<210> 104
<211> 472
<212> DNA
<213> Kogia simus
<400> 104
tgccctgagg ccaaatatca ttctgaggag caaccgtcat cacaaacctt atatccgcaa
                                                                          60
tcccttacat cggcaccacc ctagtggaat gagtctgagg tggcttctcc gtggacaaag
                                                                         120
ctacgctaac acgcttcttt gctttccact ttattctccc cttcatcatc ctagcactag
                                                                         180
caataatcca ceteetattt etecaegaaa caggatecaa caaceceeta qqaatteett
                                                                         240
ctgatataga caaaatccca ttccacccct actacacaat caaagatatc ctaggcgccc
                                                                         300
tactactaat ctcagcacta ctcacactga ccctgttcgc acctgatcta ctaggagacc
                                                                         360
ccgacaacta taccccagca aacccactaa gcacccccgc acacattaaa ccagaatgat
                                                                         420
actttctatt cgcatacgcc attctacgat caattcctaa caaactggga gg
                                                                         472
<210> 105
<211> 472
<212> DNA
<213> Physeter catodon
<400> 105
tgccctgagg acaaatatca ttctgagccg caaccgttat cacaaacctt ctatcagcaa
                                                                          60
ttccctatat cggcaccacc ctagtagagt gagtttgagg cggtttctcc gtagataagg
                                                                         120
caacactgac acgettette actetecaet teatectece etttateace etaacaetaa
                                                                         180
caatagtaca tctcctattt ctccatgaaa caggatccaa caaccccaca ggaattccct
                                                                         240
ccaacataga caaaatccca ttccacccct accacacaat caaagacacc ataggtgccc
                                                                         300
tactactaat cctatcccta cttacactaa ccctgttcgc acccgacctg ctaggagatc
                                                                         360
ctgacaacta caccccagca aatccactaa ataccccaac acacatcaaa ccagaatggt
                                                                         420
atttcctatt cgcgtacgcc atcctacgat ctgtccccaa taaactagga gg
                                                                         472
<210> 106
<211> 472
<212> DNA
<213> Lipotes vexillifer
<400> 106
taccetgagg acaaatatea ttttgaggeg caacegteat cactaatett etateageaa
                                                                          60.
tecettacat eggaaceace etagtagagt gagtetgagg gggattetea gtagacaaag
                                                                         120
caacattaac ccgcttcttc gctctccatt tcatccttcc atttattatt gtagcactaa
                                                                         180
caaccgtcca cttactattt ctccatgaaa caggatccaa caacccaata ggaattccat
                                                                         240
ctaacataga caaaatccca ttccacccct accacacaat taaagatatc ttaggcgccc
                                                                         300
ttctattaat atttgttcta ctcacactaa ccttacttgc accagaccta ctcggagatc
                                                                         360
ctgataatta taccccagca aacccactaa acactcccgc acacatcaaa ccagaatgat
                                                                         420
atttcctctt cgcatacgca attctacgat caattcccaa taaattagga gg
                                                                         472
```

```
<210> 107
 <211> 472
<212> DNA
 <213> Phocoena sinus
 <400> 107
 tgccctgggg acaaatatca ttttgaggtg ctaccgtcat cacaaacctc ttatcaqcaa
                                                                           60
 tecettacat eggeageacg etagtggagt gaatetgagg tggattetee gtagacaaag
                                                                          120
 caacactaac acgettette geetteeatt ttateettee atttateatt acageactaa
                                                                          180
 taatcgtcca tctactattc ctccatgaaa caggctccaa caatcccaca qqaatcccqt
                                                                          240
 ctaacataga cataatcccc ttccaccctt actatacaat caaagatatc ctaggcgccc
                                                                          300
 tactatttat tctaacttta ctaacactaa ccttatttt acctgacctt ctaggagacc
                                                                          360
 ccgataacta cattccagca aacccactaa gcaccccagc acacattaaa ccaqaatqat
                                                                          420
 atttcctctt cgcatacgca atcctacgat caatccccaa taaactagga gg
                                                                          472
 <210> 108
 <211> 472
 <212> DNA
 <213> Berardius bairdii
 <400> 108
 tgccttgagg gcaaatatca ttctgaggtg caaccqtcat caccaacctc ctatccqcta
                                                                           60
 ttccttatat cggcaccact cttgtcgaat gaatctgagg tggcttctcc gtagataaag
                                                                          120
 ccacactaac acgettettt geetteeact ttateeteec ttttateatt etaaceetag
                                                                          180
 cagoogtoca ottactatto otocaogaaa caggatocaa caaccocaca ggaatoccat
                                                                          240
 ccaatataga taaaattcca ttccacccct actatacaat caaagatatc ctaggagccc
                                                                          300
 tactactaat cctagcccta ctcacqctaa ccctatttqc acccqaccta ctagqaqaqc
                                                                          360
 ccgacaacta taccccggca aacccgctca gcaccccaac acatattaag ccagaatgat
                                                                          420
 acttcctgtt cgcatacgca atcttacgat cagtccctaa taaactaggg gg
                                                                          472
 <210> 109
 <211> 472
<212> DNA
 <213> Ziphius cavirostris
 <400> 109
 taccttgagg acaaatatca ttctgaggtg caaccgtcat cacaaacctc ttatccgcta
                                                                           60
 teceetatat eggeaetaet etagtegaat gaatetgagg tggtttttea gtagataaag
                                                                          120
 ccacactaac acgettettt geetteeatt teateettee atttattatt ttageeetag
                                                                          180
 cagccgtcca cttactattt ctccacgaaa caggatctaa taaccccaca ggaatcccat
                                                                          240
 ccgatataga caaaatccca ttccaccctt attacacaat caaagacatc ctaggagccc
                                                                          300
 tactattaat cgtaattcta ctcgcactaa ccctattcgc acccgacctg ctaggagacc
                                                                          360
 ccgataacta taccccagca aatccactca gcaccccagc acacattaag ccagaatgat
                                                                          420
 acttectatt egeataegea ateetaegat eaatteeeaa taaaetagga gg
                                                                          472
```

```
<210> 110
<211> 472
<212> DNA
<213> Mesoplodon europaeus
<400> 110
ttccctgagg acaaatatca ttctgaggcg caaccgttat taccaacctc ctatccgcca
                                                                       60
tcccctatat tggcactact ctagtcgaat gaatctgagg tggcttttcc gtagataaag
                                                                      120
ctacactaac acgcttcttt gctttccact ttatccttcc attcattatt ctagccctaa
                                                                      180
caatcgtcca cttactattt ctccatgaaa caggatccaa taaccctaca ggaatcccat
                                                                      240
ctgatataga caaaatccca ttccatcctt actacacaat caaagatatc ctaggggctc
                                                                      300
tactactaat totageceta etcacectaa ecctattege accegacetg etaggagace
                                                                      360
ccgacaatta caccccagca aacccactta atactccagc acacatcaaa ccagaatgat
                                                                      420
acttectatt egeatatgea attetaegat eaatteeeaa eaaactagga gg
                                                                      472
<210> 111
<211> 472
<212> DNA
<213> Mesoplodon bidens
<400> 111
taccctgagg acaaatatca ttctgaggcg caactgttat tactaacctc ctatccgcta
                                                                       60
ttccctacat cggcactacc ctagttgaat gaatctgagg tggcttttcc gtagacaaag
                                                                      120
ccacattaac acgettette geettecaet ttateeteec atttattatt ttageectag
                                                                      180
caatcgtcca cctactattt ctccatgaaa caggatctaa caaccctaca ggaattccat
                                                                      240
ccgacataga taaaattcca ttccacccct actacacaat taaagatatc ctgggagccc
                                                                      300
360
ccgacaacta taccccagca aacccactca gcaccccagc ccacatcaaa ccagagtggt
                                                                      420
atttcctatt cgcatacgca atcttacgat caattcctaa taaactagga gg
                                                                      472
<210> 112
<211> 472
<212> DNA
<213> Mesoplodon densirostris
<400> 112
taccatgagg acaaatatcc ttctgaggtg caactgtcat taccaatctt ctatccgcta
                                                                       60
ttccctatat tggcaccacc ctagtcgagt gaatctgagg tggtttttcc gtagacaaaq
                                                                      120
ccacattaac acgettette getttteact teatectece etttattatt etageeetaa
                                                                      180
caatggtcca cctactattc ctccatgaaa caggatctaa taaccctaca ggaatcccat
                                                                      240
ctgacataga taaaattcca tttcaccctt attacacaat caaagatatt ttaggagccc
                                                                      300
tactattaat tetggeeeta ettataetaa eeetattige aeetgaeeta etaggagaee
                                                                      360
cegataatta tactecagea aacceactea acactecage acacateaaa ceagagtggt
                                                                      420
attttctatt tgcatacgca atcctacgat caatccccaa caaattagga gg
                                                                      472
```

```
<210> 13
 <211> 472
 <212> DNA
 <213> Hyperoodon ampullatus
 <400> 113
 taccetgagg acaaatatca ttetgaggeg caacegteat caccaatete etateegeea
                                                                           60
 ttccctatat cggcactacc ctagttgaat gaatctgagg tggtttctcc gtagacaaag
                                                                          120
 ccacattaac ccgctttttc gccctccact ttatcctccc attcattatt ctagccctag
                                                                          180
 caatcgtcca cctactattc ctccatgaaa caggatccaa caatcccaca ggaattccat
                                                                          240
 ctgacataga caaaatcccg ttccacccat actacacaat caaagacact ctaggggccc
                                                                          300
 tattactaat cctagtccta ctcacattaa ccctattcgc acccgaccta ctaggagacc
                                                                          360
 ctgataacta taccccagca aacccactca gcactccagc acacatcaaa ccagaatggt
                                                                          420
 acttettatt tgcatacgca atcetacgtt caatcectaa caaactagga gg
                                                                          472
 <210> 114
 <211> 472
 <212> DNA
 <213> Hyperoodon ampullatus
 <400> 114
 taccctgagg acaaatatca ttctgaggcg caaccgtcat caccaatctc ctatccqcca
                                                                           60
 ttccctatat cggcactacc ctagttgaat gaatctgagg tggtttctcc gtagacaaag
                                                                          120
 ccacattaac ccgctttttc gccctccact ttatcctccc attcattatt ctagccctaq
                                                                          180
 caatcgtcca cctactattc ctccatgaaa caggatccaa caatcccaca ggaattccat
                                                                          240
 ctgacataga caaaatcccg ttccacccat actacacaat caaagacact ctaggggccc
                                                                          300
 tattactaat cctagtccta ctcacattaa ccctattcgc acccgaccta ctaggagacc
                                                                          360
 ctgataacta taccccagca aacccactca gcactccagc acacatcaaa ccagaatggt
                                                                          420
 acttettatt tgeataegea ateetaegtt eaateeetaa eaaaetagga gg
                                                                          472
' <210> 115
 <211> 472
 <212> DNA
 <213> Mesoplodon peruvianus
 <400> 115
 taccttgagg acaaatatca ttctgaggcg caactgtcat tactaatctt ttatctgcta
                                                                           60
 tcccttatat tggcaccacc ctagttgaat gaatttgagg tggcttctcc gtagataaag
                                                                          120
 ctacattaac acgatttttt gccttccact ttattctccc atttattatc ttagctctaa
                                                                          180
 caattgtcca tttactattt ctacacgaaa caggatctaa taatcccata ggaatctctt
                                                                          240
 ctgacataga caaaattcca tttcatcctt actatacaat taaagatatc ttaggagccc
                                                                          300
 tattattaat tatagtccta cttatactaa ccctatttgc acctgaccta ttaggagatc
                                                                          360
 ctgacaatta cactccagca aacccactta gcaccccagc acatattaaa ccagaatgat
                                                                          420
 attttctatt tgcatatgca attttacgat cagttcctaa taaactagga gg
                                                                          472
```

```
<210> 116
<211> 472
<212> DNA
<213> Pontoporia blainvillei
<400> 116
taccetgagg acaaatgtca ttetgaggtg ccaetgtcat caetaacete etateaqega
                                                                          60
tecectacat eggaactace ettgtagaat ggatetgagg tggtttetet qtaqacaaaq
                                                                         120
caacactaac gcgattcttc gctttccatt ttatccttcc attcattatt acagccctag
                                                                         180
ttatagteca cetgetatte etacaegaaa etggatecaa eaacecaaea ggaateteat
                                                                         240
ctaacataga tgccatccca tttcacccct actacacaat taaagatatc ctaggggccc
                                                                         300
tattaataat cctaacaata ctcacgctga ctctattcac ccctgaccta ttaggagacc
                                                                         360
cagacaacta tatcccagca aaccccatga ataccccaga gcacattaaa ccagaatggt
                                                                         420
attteetatt tgeetaegee ateetaegat eaatteecaa taaaetggga gg
                                                                         472
<210> 117
<211> 472
<212> DNA
<213> Hippopotamus amphibius
<400> 117
tgccatgagg acaaatgtca ttctgagggg caacagtcat taccaactta ctgtcagcta
                                                                          60
tcccctatat tggaacagac ctagtagaat gaatctgagg aggcttttcc gtagacaaag
                                                                         120
ccaccettae aegattettt geetteeaet ttattettee attegttate aeageaetag
                                                                         180
ccatcgtcca tctactattc ctccatgaaa caggatccaa caacccaaca ggaatcccct
                                                                         240
caaacgcaga caaaatccca ttccacccct attacacaat caaggacatc ctaggtatcc
                                                                         300
tactectaat aacaacacta etcacactaa eettatttge eecagacete etaggggaee
                                                                         360
caqacaacta caccccqca aaccccctta qcacaccacc acacattaaa ccaqaatqat
                                                                         420
attteetgtt egegtaegeg atteteegat eaateeeeaa eaaactagga gg
                                                                         472
<210> 118
<211> 472
<212> DNA
<213> Hexaprotodon liberiensis
<400> 118
taccatgagg acaaatatca ttctgagggg caacagtcat caccaactta ctatcagcta
                                                                          60
teceetacat tggaacagae etagtagaat gaatetgagg aggettttet gtagataaag
                                                                         120
ccaccettae acquitetti geetteeact ttattettee atteateate atagcactag
                                                                         180
cegeegteea ectaetgttt etecaegaaa eagggteeaa eaaceeaaca ggaateeeet
                                                                         240
caaacgcaga caaaatccca ttccacccct attacacaat caaagatatc ctgggcgtac
                                                                         300
tacttctaat aacaatacta ctcacactaa ccttatttgc cccagacctc ctaggggacc
                                                                         360
cagacaacta caccccgca aaccccctta gcacaccacc acacatcaaa ccagaatgat
                                                                         420
atttcctgtt cgcatacgca attctccgat caatccctaa caaactggga gg
                                                                         472
```

```
<210> 119
<211> 472
<212> DNA
<213> Rhinoceros sondaicus
<400> 119
taccatgagg tcaaatatcc ttctgagggg ctacagtcat tacaaatctc ctctcaqcca
                                                                          60
tcccctatat cggtaccaac cttgtagagt gaatctgagg aggattctca gtcgacaaag
                                                                         120
ctaccettac cegattettt geetteeact teateettee etttattate etagetetag
                                                                         180
cgatcaccca cttactattc ctacacgaaa caggatccaa taacccatca ggaattccat
                                                                         240
ctaacacaga caaaattcca tttcaccctt actacacaat caaagacatc ctaggagccc
                                                                         300
tgettetaat tatagtatta eteaceetag teetattete ecetgacate etaggggace
                                                                         360
cagacaacta catcccagcc aaccctctca gcacccctcc acatatcaaa ccagaatggt
                                                                         420
atttcctatt tgcttacgca atcctacgat ccatcccaaa caaactaggc gg
                                                                         472
<210> 120
<211> 472
<212> DNA
<213> Ceratotherium simum
<400> 120
taccatgagg ccaaatatcc ttctgagggg ctacagtcat cacaaacctc ctctcagcta
                                                                          60
tcccttacat cggcaccaac ctcgtagaat gaatctgagg aggattttcc gttgacaaag
                                                                         120
ccacacttac acgattette geettteact ttatectece etttattate atagecetag
                                                                         180
caatcaccca cctactattc cttcacgaaa caggatccaa taacccatca qqaatcccat
                                                                         240
ccaacataga caaaatccca ttccacccat actacacaat caaagacatc ctgggaattt
                                                                         300
tactcctaat cctagcacta ctcgccctag ttctattctc accagacatc ctaggagacc
                                                                         360
ctgacaacta caccctgcc aatcctctca gcactccccc acatatcaaa ccagaatgat
                                                                         420
actttetatt tgettaegea ateetaegat eeateeetaa eaaactagge qq
                                                                         472
<210> 121
<211> 472
<212> DNA
<213> Dicerorhinus sumatrensis
<400> 121
taccatgagg tcaaatatcc ttctgaggag ccacagttat cacaaatctc ctctcagcca
                                                                          60
tcccatacat cggcaccgac cttgtagaat gaatctgagg gggattctcc gtagacaaag
                                                                         120
ccaccetcae ceggttettt getttecaet teatectece etteateate etagecetag
                                                                         180
caattaccca cctgctattc ctacatgaaa caggatccaa caacccatca ggaatcccat
                                                                         240
ctaacataga caaaatccca tttcacccat actatacaat caaagacatc ctaggagccc
                                                                         300
tacttctaat cctagcccta ctcaccctag ttctattctc gcctgacctc ctaggagacc
                                                                         360
cggacaacta cacacccgcc aaccctctca gcacccctcc acacattaaa ccagaatggt
                                                                         420
acttectatt egectaegea atectaegat ecateeceaa taaactagge gg
                                                                         472
```

```
<210> 122
<211> 472
<212> DNA
<213> Equus asinus
<400> 122
taccatgagg acaaatatcc ttctgaggag caacggtcat tacaaacctc ctatcagcaa
                                                                          60
tecectacat eggtactacg etegtegaat gaatetgagg tggattetea gtagacaaag
                                                                         120
ccaccettae cegatttttt geetteeact ttattetaee etttateate acageeetgg
                                                                         180
taatcgtcca tctactattc ctccacgaaa caggatccaa caacccctca ggaatcccat
                                                                         240
ctgacataga caaaatccca ttccacccgt actacacaat taaagacatc ctaggacttc
                                                                         300
tectectagt ectactecta etaaceetag tattattete ecetgacete etaggagace
                                                                         360
cagacaacta caccccagct aaccccctca gcactccccc tcatattaag ccagaatggt
                                                                         420
atttectatt tgettaegee atectaeget ceatteceaa caaactaggt gg
                                                                         472
<210> 123
<211> 472
<212> DNA
<213> Babyrousa babyrussa
<400> 123
taccttgagg acaaatatca ttttgaggag ctaccgtcat tacaaaccta ctatcagcca
                                                                          60
ttccctatat cggaacggac ctcgtagaat ggatctgagg aggcttctcc gtcgataaag
                                                                         120
caaccetcae acgattett gettteeact ttattetace etteateate accgetcteg
                                                                         180
caaccgtaca totattatto ottoacgaaa otggatocaa taaccctact ggaatttoat
                                                                         240
cagatataga caaaatccca ttccacccct actataccat taaagacatt ctaggagccc
                                                                         300
tactcataat tatagetett etaateetag tactattete accagateta etaggagaee
                                                                         360
cggacaacta tactccagca aacccactaa atacaccacc ccacattaag ccagaatgat
                                                                         420
acttectatt tgeetaegee atectaeget eaateeeeaa eaaattagge gg
                                                                         472
<210> 124
<211> 472
<212> DNA
<213> Phacochoerus africanus
<400> 124
taccetgagg acaaatateg ttetgaggag ceacagteat cacaaaceta etateageea
                                                                          60
teceetacat tggaacaaat ettgtagaat gaatetgagg aggtttetee gtegacaaag
                                                                         120
caacteteac acquitetti qeettecaet teattitaec tittateate qetqeectaq
                                                                         180
caaccgtaca tetettgtte etacacgaaa etggatetaa caaccetaet ggaateteat
                                                                         240
cagacataga caaaatccca ttccacccat actacaccat taaagatatc ctaggagccc
                                                                         300
tattcataat actaatcctg ctaatcctag tattattctc cccagaccta ctaggagacc
                                                                         360
cagacaacta taccccagca aacccattaa acacaccacc ccacatcaaa ccagaatgat
                                                                         420
acttectatt egectaegee atectaegtt caateectaa taaattaggt gg
                                                                         472
```

```
<210> 125
<211> 472
<212> DNA
<213> Sus scrofa haplotype EWB3
<400> 125
tgccctgagg acaaatatca ttctgaggag ctacggtcat cacaaatcta ctatcagcta
                                                                          60
tcccttatat cggaacagac ctcgtagaat gaatctgagg gggcttttcc gtcgacaaag
                                                                         120
caaccetcae acgattette geetteeact ttateetgee atteateatt acceceteg
                                                                         180
cagoogtaca totootatto otgoacgaaa coggatocaa taaccotaco ggaatotoat
                                                                         240
cagacataga caaaattcca tttcacccat actacactat taaagacatt ctaggagcct
                                                                         300
                                                                         360
tatttataat actaatccta ctaatccttg tactattctc accagaccta ctaggagacc
                                                                         420
cagacaacta caccccagca aacccactaa acaccccacc ccatattaaa ccagaatgat
atttettatt egeetaeget attetaegtt eaatteetaa taaaetaggt gg
                                                                         472
<210> 126
<211> 472
<212> DNA
<213> Sus barbatus
<400> 126
                                                                           60
tgccctgagg acaaatatca ttctgaggag ctacggtcat cacaaatcta ctatcagcta
                                                                          120
tcccctatat cggaacagac ctcgtagaat gaatctgagg gggcttttcc gtcgacaaag
caaccettac acgattette geettteact ttateetgee ettegteatt accgeecteg
                                                                          180
cagccgtaca tctcctattc ctacacgaaa ccggatccaa taaccccacc ggaatttcat
                                                                          240
                                                                          300
cagacataga caaaattcca tttcacccat actacactat caaagacatt ctaggagcct
tatttataat actaatccta ctaatcttag tactattctc accagaccta ctaggagacc
                                                                          360
cagacaacta caccccagca aacccactaa acaccccacc ccatattaaa ccagaatgat
                                                                          420
                                                                          472
acttettatt egeetaeget attetaegtt caateeceaa taaactagge gg
 <210> 127
 <211> 472
 <212> DNA
 <213> Lama glama
 <400> 127
 teccatgagg acaaatatea ttttgagggg caacagtaat tacaaateta eteteggeaa
                                                                           60
                                                                           120
 ttccatatgt tggcacaaca ctagtcgaat gaatttgagg aggattctcc gtagacaaag
 ccaccettae acgattette geetteeact ttatettaee ttttgteatt geagetetag
                                                                           180
 caggagtaca tctactattt ttacacgaaa caggctccaa caatccaaca ggaatttctt
                                                                           240
 cggatataga caaaatcccc ttccatccct actatacaat taaagacatt ctaggagcac
                                                                           300
                                                                           360
 tactacttat tctaacccta cttctactcg tactattctc accagaccta ctaggagacc
 ccgacaacta tactcccgct aaccccctca acacaccgcc ccatattaaa ccagaatgat
                                                                           420
                                                                           472
 acttectatt tgeataegee atectaegat ecateeceaa taaattagge gg
```

```
<211> 472
  <212> DNA
  <213> lama guanicoe
  <400> 128
 teccatgagg ccaaatatea ttttgagggg caacagtaat tacaaaceta eteteggeaa
 ttccatatgt tggcacaaca ctagtcgaat gaatttgagg ggggttctcc gtagataaag
                                                                            60
 ccaccettae regattette geetteeact ttatettaee ttttgteatt geagetetag
                                                                           120
 caggagtgca tctactattt ttacacgaaa caggctccaa caatccaaca ggaatttctt
                                                                           180
 cggatataga caaaatcccc ttccatccct actatacaat taaagacatt ctaggagtac
                                                                           240
 tactacttat tetgaceeta ettetaeteg tactattete accagaceta etaggagace
                                                                           300
 ccgacaacta tactcccgct aaccccctca acacaccgcc tcatattaaa ccagaatgat
                                                                           360
 acttcctatt tgcatatgcc atcctacgat ccatccccaa caaattaggc gg
                                                                           420
                                                                           472
 <210> 129
 <211> 472
 <212> DNA
 <213> Vicugna vicugna
 <400> 129
tcccatgagg acaaatatca ttttgagggg caacagtaat tacaaaccta ctctcagcaa
                                                                           60
ttccatacgt tggtacaaca ctagtcgagt ggatttgagg aggattctcc gtagataaag
ccaccettaa ccgattette geettteact ttatettace ttteateatt geagetetag
                                                                          120
cgggagtaca tctactattt ttacacgaaa caggctccaa caacccaaca ggaatttctt
                                                                          180
cagatataga caaaattccc ttccatccct actacacaat taaagacatt ttaggagcac
                                                                          240
tactacttat totgattota otoctactog tactattoto accagactta otaggagaco
                                                                          300
ccgacaacta tacccccgct aaccccctta acacaccacc ccacattaaa ccagaatgat
                                                                          360
                                                                          420.
atttcctatt tgcatatgct attctacgat cgatccccaa taaattaggc gg
                                                                          472
<210> 130
<211> 472
<212> DNA
<213> Camelus bactrianus
<400> 130
tcccatgagg acagatatca ttctggggag caacagtaat taccaaccta ctctcagcaa
ttccctatat cggcacaaca ctagtagaat gaatttgagg tggcttctcc gtagacaaag
                                                                          60
                                                                         120
ccaccctcac acgattettt geettecact teateetgee atttattate acggeectag
                                                                         180
tagecgtaca cetattatte etacaegaaa eaggetetaa taaceegaea ggaateteet
cagacataga caaaatccca ttccacccct actacacaat taaagacatc ctaggagcac
                                                                         240
tgctactaat attaattctc cttattctcg tactgttctc accagactta ttaggagatc
                                                                         300
                                                                         360
ctgacaacta tactcccgct aaccccctca atacaccacc acacattaag ccggaatgat
atttcctatt cgcatacgct atcctacgat ccatccccaa caaattggga gg
                                                                         420
                                                                         472
```

<210> 128

```
<210> 131
  <211> 472
  <212> DNA
  <213> Arctocephalus forsteri
  <400> 131
. ttccatgagg acaaatatca ttctgaggag cgaccgtcat taccaacctc ctatcagcag
  tcccctacat tgggaccaac ctagtagaat gaatctgagg aggattttca gttgataaag
                                                                            60
 caaccctaac acgattette geettteact teattetece ettegtagea teageactag
                                                                           120
 taatagtaca tetgetatte etacatgaaa caggatecaa taacceatca ggagteteet
                                                                           180
 ctgactcaga caaaatccca ttccacccat attatacaat taaagatatc ctgggagccc
                                                                           240
 tectactaat ettgatteta atattaetag taatatttte accagatetg etgggagace
                                                                           300
 cagacaacta caccccagcc aaccccctca gcactccacc acatattaaa cctgaatgat
                                                                           360
 attttctatt cgcttacgcc attttacgat ctatccccaa caaactagga gg
                                                                           420
                                                                           472
 <210> 132
 <211> 472
 <212> DNA
 <213> Arctocephalus gazella
 <400> 132
 ttccatgagg acagatatca ttctgaggag caaccgtcat taccaacctc ctgtcagcaa
 tecectacat eggaactaac etagtagaat gaatetgagg aggattttea gttgataagg
                                                                           60
 caaccctaac acgattette geettteact ttattettee ettegtagta teageactag
                                                                          120
taatagtgca cctactattc ctacacgaaa caggatccaa caacccatca ggagtctcct
                                                                          180
ctgactcgga caaaattcca ttccacccat attatacaat taaagatatc ctgggagccc
                                                                          240
tettactaat ettaatteta atattactag taatatttte accagatetg etaggagace
                                                                          300
cagacaacta catcccagcc aaccccctca gtactccacc acatatcaaa cctgaatggt
                                                                          360
attttctatt cgcctatgcc attttacgat ctatccccaa caaactagga gg
                                                                          420
                                                                          472
<210> 133
<211> 472
<212> DNA
<213> Eumetopias jubatus
<400> 133
ttccgtgagg acaaatatca ttctgaggag caaccgtcat taccaacctc ctatcagcta
tcccttacat cggaaccaac ttagtagaat gaatttgagg gggattttca gtcgacaaag
                                                                          60
caaccctaac acgattette geetteeact ttatteteec ettegtagea teageactag
                                                                         120
taatagtaca cctattattc ctacacgaaa ctggatccaa caatccatca ggaatctcct
                                                                         180
ccaactcaga caaaattcca ttccatccat attacacaat taaagatatc ctgggaaccc
                                                                         240
tectactaat ettaateeta ataetaetag taatatttte accagacetg etgggagaee
                                                                         300
cagacaacta catcccagcc aaccccctca gcactccacc acatattaaa cccgaatgat
                                                                         360
atttcctatt cgcctatgct attttacgat ccatccccaa caaattaggg gg
                                                                         420
                                                                         472
```

```
<210> 134
<211> 472
<212> DNA
<213> Zalophus californianus
<400> 134
ttccatgagg acaaatatca ttttgaggag caaccgtcat taccaacctc ctatcagcag
                                                                          60
tecettacat eggaaceaac etagtagaat gaatttgagg gggattttca gtegacaaag
                                                                         120
caaccctaac acgattettt geetteeact ttatteteec etteatagea teageactag
                                                                         180
taatagtaca cctattattc ctacacgaaa ctgggtccaa caacccatca ggaatctcct
                                                                         240
ctgactcaga caaaattcca ttccacccat attacacaat taaagatatc ctaggaaccc
                                                                         300
tectactaat ettaaceeta atactaetag taatatttte aceggaeetg etgggagaee
                                                                         360
cagacaacta tattccagcc aaccccctca gcactccacc acatattaaa cctgagtgat
                                                                         420
atttcctatt cgcctatgct attttacgat ccatccccaa caaattaggg gg
                                                                         472
<210> 135
<211> 472
<212> DNA
<213> Odobenus rosmarus
<400> 135
taccatgagg acaaatatcc ttctgaggag caaccgtcat caccaacctt ctgtcagcaa
                                                                          60
ttccctatgt agggactgac ttggtcgaat gagtctgagg ggggttttca gttgataaag
                                                                         120
caaccctaac acgattcctc gccctccact tcgttcttcc attcatggca ttagcactaa
                                                                         180
cagcagtaca cctactattt ctccacgaaa caggatctaa caacccttcg ggaatcctat
                                                                         240
ctgactcaga caaaatccca tttcacccgt actacacaat taaagatatc ctagggctca
                                                                         300
tcattctaat cctaatccta atactactag tactattctc accagattta ctgggagacc
                                                                         360
cggacaatta caccccagcc aaccctctca gcaccccacc ccatatcaaa cccgaatgat
                                                                         420
atttcctatt cgcctacgct atcctccgat ctattcccaa caaactcggg gg
                                                                         472
<210> 136
<211> 472
<212> DNA
<213> Phoca vitulina
<400> 136
taccatgagg acaaatatca ttttgaggag caacagtcat caccaatcta ctatcagcaa
                                                                          60
teceetatgt eggaacegae ettgtacaat gaatetgagg agggttttea gtagataaag
                                                                         120
caacettaac acgattette geettecact teateetgee attegtagta teageeetag
                                                                         180
cagcagtcca cctactattc ctacacgaaa caggatcaaa caacccctcc ggaatcatat
                                                                         240
ccaactcaga caaaatccca ttccacccgt actatacaat taaagatatc ctaggggccc
                                                                         300
tacttctcat tctagtcctg acactactag tgctattctc acccgacctg ttaggagacc
                                                                         360
ccgacaacta tatccctgcc aatcccctaa gcaccccacc acatatcaaa cctgaatggt
                                                                         420
acttcctatt tgcctacgca atcttacgat ccatccccaa caaactagga gg
                                                                         472
```

```
<210> 137
 <211> 472
 <212> DNA
 <213> Phoca fasciata
 <400> 137
taccatgagg acaaatatca ttctgaggag caacagtcat cactaatcta ctatcagcaa
                                                                           60
ttccctatat cggaaccgac ctagtacaat gaatctgagg aggattttca gttgataaag
                                                                          120
caaccctaac acgatttttc gctttccact ttatcctacc atttgtagta tcagcactag
                                                                          180
cggcagttca cctactattc ctacacgaaa caggatccaa caacccctcc ggaatcgtat
                                                                          240
ccgactcaga caaaatccca ttccacccat actatacaat taaagatatc ctaggagccc
                                                                          300
tactcctcat cctagtccta atactactag tactattctc acccgaccta ctaggagacc
                                                                          360
ccgacaacta cacccctgcc aaccccctaa gcaccccacc acatatcaag cccgaatgat
                                                                          420
actttctatt tgcctacgca atcctacgat caatccccaa caaactagga gg
                                                                          472
<210> 138
<211> 472
<212> DNA
<213> Phoca groenlandica
<400> 138
taccatgagg gcaaatgtca ttctgaggag caacagttat cactaatcta ctatcagcaa
                                                                          60
tcccctacat cggaaccgat ctagtacaat gaatctgagg agggttctca gttgataaag
                                                                         120
caaccctaac acgatttttc gccttccact tcatcttacc attcgtagta ttagcactag
                                                                         180
cggcagttca tctactattc ttacacgaaa caggatccaa caaccccacc ggaatcgtat
                                                                         240
ccgactcaga caaaatcccg ctccacccat attatacaat taaagatatc ctaggagccc
                                                                         300
tactecteat cetggteett atactactag tactgttete accegaceta etgggagace
                                                                         360
ccgacaacta catccctgcc aatcccctaa gtaccccacc acatatcaag cccgaatgat
                                                                         420
actttttatt tgcctacgca atcctacgat caattcccaa caaactagga gg
                                                                         472
<210> 139
<211> 472
<212> DNA
<213> Cystophora cristata
<400> 139
taccgtgagg acaaatatca ttttgaggag cgacagtcat caccaaccta ctatcagcaa
                                                                          60
tcccctacat cggagccgat ctagtagaat gaatctgagg gggattttca gtcgataaag
                                                                         120
caactetaae aeggttttte geetteeaet teateetaee attegtegta teageaetag
                                                                         180
caacagteca cetaetatte etaeacgaaa caggatetaa taateeetee ggaateacat
                                                                         240
ccgactcaga caaaatccca ttccacccat actatacaat taaagacatc ctaggagccc
                                                                         300
tactcctcat cctagttcta acactactag tgctattctc acccgatctg ctaggagacc
                                                                         360
ccgacaacta tacccctgcc aaccccctaa gtaccccacc acatattaaa cctgaatgat
                                                                         420
acttectatt egeetatgea atectaegat etateeceaa caaactagga gg
                                                                         472
```

```
<210> 140
 <211> 472
 <212> DNA
 <213> Hydrurga leptonyx
 <400> 140
 tgccatgagg acaaatatca ttttgaggag caaccgttat taccaactta ctatcagcaa
                                                                           60
 ttccctacat cggaaccgac ctagtacaat gaatttgagg cggattttca gtcgacaaag
                                                                          120
 caaccctaac acgattette geetteeact ttateettee ettegtagta teageactag
                                                                          180
 cagcagtaca totactatto ttacacgaaa caggatocaa taacccctco ggaattocat
                                                                          240
 ccaactcaga caaaatccca tttcacccct actacacaat caaagacatc ctaggagccc
                                                                          300
 tattcctcat tctaacccta atactactag tattattctc acccgaccta ctaggagacc
                                                                          360
 ccgacaacta tattcctgct aaccccctaa gcaccccacc acatatcaaa cccgaatgat
                                                                          420
atttcctatt tgcctacgca atcctacgat ccattcccaa taaactagga gg
                                                                          472
<210> 141
<211> 472
<212> DNA
<213> Leptonychotes weddelli
<400> 141
taccatgagg acaaatatca ttctgaggag caaccgtcat taccaactta ctatcagcaa
                                                                          60
ttccctacat cggaactgac ttagtacaat gaatctgagg cggattttca gttgacaaag
                                                                         120
caaccctaac acgattette geettecact ttateettee ettegtagta teagcactag
                                                                         180
cagcagtaca tctactattc ttacacgaga caggatccaa caacccctcc ggaattccat
                                                                         240
ctgactcaga caaaatccca tttcacccct actacacaat caaagacatc ctaggagccc
                                                                         300
tactcctcat tctaacccta atattactag tattattctc accegacctg ctaggagatc
                                                                         360
ccgacaacta tactcccgct aatcccctaa gtactccacc acatatcaaa cccgaatgat
                                                                         420
atttcctatt tgcctacgca atcttacgat ccatccctaa caaactagga gg
                                                                         472
<210> 142
<211> 472
<212> DNA
<213> Mirounga leonina
<400> 142
tgccatgagg acaaatatca ttttgaggag caaccgtcat taccaaccta ctatcagcag
                                                                          60
tcccctatgt cggagacgac ctagtacaat gaatctgagg aggattttca atcgacaaag
                                                                         120
caaccctaac acgattette gecetecaet ttatectace attegtagea ctageactag
                                                                         180
cagcagtaca totactatto otacacgaaa caggatocaa caaccootot ggaatoccat
                                                                         240
ccgactcaga caaaatccca ttccacccat actacacaat caaagatatc ttaggagccc
                                                                         300
tacttettat tetaaceeta atactattag tgttattete accegaetta ttaggagace
                                                                         360
ccgacaacta cacccctgcc aatcccctaa gcaccccacc acatattaaa cccgaatgat
                                                                         420
atttcctatt tgcctacgca atcctacgat ctattcccaa caaactagga gg
                                                                         472
```

```
<210> 143
<211> 472
<212> DNA
<213> Erignathus barbatus
<400> 143
taccatgagg gcaaatatca ttttgaggag caaccgttat caccaaccta ctatcagcaa
                                                                          60
teccetacat egggaetgat etagtacaat gaatetgagg aggattetea gttgacaaag
                                                                         120
caaccctaac acgattcttc gccttccact ttatcctacc atttgtagta ttagcattag
                                                                         180
cagcagtcca cctattattc ctacacgaaa caggatccaa caacccctct ggaatctcgt
                                                                         240
ccgactcaga taaaattcca ttccacccat actatacagt caaggacatc ttaggggcct
                                                                         300
tacttctaat cctagttctt atacttctag tgctattctc acccgaccta ctgggagatc
                                                                         360
ccqacaacta cactcccqct aaccccctaa gcaccccacc acatattaag cccgaatgat
                                                                         420
atttectatt egeetatgea atectaegat ecateceeaa caaacttgga gg
                                                                         472
<210> 144
<211> 472
<212> DNA
<213> Monachus schauinslandi
<400> 144
taccatgagg acaaatatcc ttctgagggg cgaccgtcat caccaaccta ctatcagcaa
                                                                          60
tcccttacat cggaaccgat ctagtacaat gaatctgagg cgggttctca gtagataaag
                                                                         120
caaccctaac acqattcttc gctttccatt ttattatacc cttcatagta ttagcactag
                                                                         180
caqcaqtcca tttattattt ctacacgaaa caggatccaa caatccctcc ggaattccat
                                                                         240
ccaactcaga caaaatccca ttccacccat actatacaat taaagacatt ctaggagctt
                                                                         300
tactccttat cctaattcta atactactag tactattctc acccgactta ctaggagacc
                                                                         360
                                                                         420
ctgacaacta catccctgcc aaccccttaa acactccacc acacattaaa cccgaatgat
acttectatt egectaegea atectaegat etateeceaa taaactagga gg
                                                                         472
<210> 145
<211> 472
<212> DNA
<213> Helarctos malayanus
<400> 145
taccetgagg ccaaatgtcc ttctgaggag.caactgtcat taccaatctc ttatcagcca
                                                                          60
teccetatat tggaacggac etagtagaat gagtetgagg aggettttee gtagacaagg
                                                                          120
cgactctaac acgattcttt gccttccact ttatccttcc gttcatcatc ttggcactaa
                                                                          180
cagcggtcca cctattattc ctacacgaaa cagggtccaa caatccctct ggaatcccat
                                                                          240
                                                                          300
ctgactcaga caaaatccca tttcacccgt actatacaat taaggacatc ctaggcgccc
                                                                          360
tacttcttac cctagcccta acaaccctag ttctattctc gcccgactta ctaggagacc
ctqacaacta catccccgca aatccattga gcaccccacc ccacatcaaa cccgaatggt
                                                                          420
actttctatt tgcctacgct atcctacgat ccatccctaa taaactagga gg
                                                                          472
```

```
<211> 472
<212> DNA
<213> Selenarctos thibetanus
<400> 146
taccetgagg ccaaatatee ttetgaggag cgaetgteat taccaacete etateageea
                                                                          60
tcccctatat tggaacagac ctagtagaat gaatctgagg gggcttttct gtagataaag
                                                                         120
caaccetaac acgattettt getttecaet ttateettee gtteateate etageaetag
                                                                         180
cagcagttca tctattgttc ctacacgaaa caggatccaa caacccttct ggaatcccat
                                                                         240
ccaactcgga caaaatccca tttcacccat actatacaat taaagacgcc ctaggcgccc
                                                                         300
tactteteat cetageetta geaactetag tectattete geeegaetta etaggagaee
                                                                         360
ctgataacta tacccccgca aacccactga gcaccccacc ccacatcaaa cccgaatgat
                                                                         420
actttttatt tgcttacgct atcctacgat ccatccccaa caaactagga gg
                                                                         472
<210> 147
<211> 472
<212> DNA
<213> Ailurus fulgens
<400> 147
tgccctgagg acagatatca ttctgaggag caaccgttat caccaaccta ctatcagcca
                                                                          60
ttccctatat tggaactaac cttgtagagt gaatctgagg aggtttctca gtcgacaaag
                                                                         120
caactetaac tegattette geetteeact teattettee atttateatt geaacactag
                                                                         180
caactatcca tetettatte etacatgaaa caggatetaa taaceeetca ggeateecat
                                                                         240
ccaactcaga caaaattcca ttccatccct attatacaat taaagatatc ttgggcgctc
                                                                         300
tactccttat cctaattctc atgacattag tactattctt acctgacttg cttggtgatc
                                                                         360
ctgataacta tattcccgct aacccattaa gcacaccacc ccatattaaa cctgagtggt
                                                                         420
atttcctatt cgcatatgca attctacgat ccatcccaaa caaactagga gg
                                                                         472
<210> 148
<211> 472
<212> DNA
<213> Felis catus
<400> 148
taccatgagg ccaaatgtcc ttctgaggag caaccgtaat cactaacctc ctgtcagcaa
                                                                          60
ttccatacat egggactgaa ctagtagaat gaatctgagg ggggttctca gtagacaaag
                                                                         120
ccaccctaac acgattettt ggettecact teattettee atteattate teageettag
                                                                         180
caggagtaca cetettatte etteatgaaa caggatetaa caaceeetca ggaattacat
                                                                         240
ccgattcaga caaaatccca ttccacccat actatacaat caaagacatc ctaggtcttc
                                                                         300
tagtactagt tttaacactc atactactcg tcctattttc accagacctg ctaggagacc
                                                                         360
cagacaacta catcccagcc aaccctttaa atacccctcc ccatattaaa cctgaatgat
                                                                         420
acttectatt egeataegea atteteegat eeateeetaa eaaactaggg gg
                                                                         472
```

<210> 146

```
<210> 149
<211> 472
<212> DNA
<213> Canis familiaris
<400> 149
taccatgagg acaaatatca ttttgaggag caactgtaat cactaatctt ctctctgcca
                                                                          60
tcccttatat cggaactgac ttagtagaat ggatctgagg cggcttctca gtggacaaag
                                                                          120
caaccctaac acgattettt geatteeatt teateeteee ttteateate geagetetag
                                                                          180
caatagtaca ceteetattt etacaegaaa eeggateeaa caaeeettea ggaateacat
                                                                          240
cagactcaga caaaattcca tttcaccctt actacacaat caaggatatc ctaggagcct
                                                                         300
tactcctact cctaatccta atatcactag ttttattttc acctgaccta ttaggagacc
                                                                         360
cagataacta cacccctgca aaccccctaa acacccctcc acatattaaa cctgagtgat
                                                                         420
attttctatt cgcctatgct atcctacgat ccattcctaa taaattagga gg
                                                                         472
<210> 150
<211> 472
<212> DNA
<213> Talpa europaea
<400> 150
taccatgggg tcaaatatcc ttttgaggtg caacggtaat tacaaattta ctgtcagcca
                                                                          60
ttccttacat cggtacagac ttagtagaat gaatttgagg tgggttctca gtagacaaag
                                                                         120
cgacactcac acgattcttc gccttccact tcattctgcc atttattatt gcggcactag
                                                                         180
ctggagttca cctgttattt cttcacgaaa caggatcaaa caacccatca ggactctcat
                                                                         240
cagatacgga taaaattcca tttcacccct attacactat taaagacatc ctaggagcac
                                                                         300
taatcctaat tatagctcta tcatcattag tattattttc acctgaccta ctaggagacc
                                                                         360
cagacaatta catcccggca aacccgctaa acacaccacc ccatattaaa cccgaatggt
                                                                         420
acttectatt tgeatatgee atectaegat caatteetaa taaattagga gg
                                                                         472
<210> 151
<211> 472
<212> DNA
<213> Glaucomys sabrinus
<400> 151
taccctgagg acaaatatct ttctgaggag·ccaccgtcat caccaacctt ctctcagcta
                                                                          60
ttccttatat tgggacaaca cttgtagaat gaatctgagg aggcttctct gtcgacaaag
                                                                         120
ctaccctaac ccgatttttt gcatttcatt ttgtcctccc ttttattatt gctgccctag
                                                                         180
ccataatcca tctactcttt ttacacgaaa caggatccaa taacccatca ggactaatct
                                                                         240
ctgactcaga taaaatccca ttccaccctt atttctcaat taaagacacc ctaggattct
                                                                         300
taatcctcat cttaatcttc ataaccctag ttctcttcac ccctgatctt ctaggagacc
                                                                         360
cagacaacta taccccagcc aacccactca acacccctcc ccacatcaaa ccagaatgat
                                                                         420
actttctatt tgcatacgca attctacgat ctattccaaa taaactagga gg
                                                                         472
```

```
<210> 152
<211> 472
<212> DNA
<213> Glaucomys volans
<400> 152
taccetgagg acaaatatee ttetgaggag ctactgteat caccaacett etetcaqeta
                                                                          60
ttccttatat tggtacaaca cttgtagaat gaatctgagg gggcttctct gttgataaag
                                                                         120
ctaccttaac ccgattcttt gcatttcact tcattcttcc ttttatcatt gccgctctag
                                                                         180
ccataatcca tctactcttt ctacacgaaa caggatccaa taacccatca ggactaatct
                                                                         240
ctgactcaga caaaatccca ttccacccct acttctcaat taaagatacc ctaggattct
                                                                         300
taateettat ettaatette ataaceetag ttetetteae eeeggatett etaggagaee
                                                                         360
cagacaacta tactccagcc aacccactca acggccctcc ccatatcaag ccagagtgat
                                                                         420
actttctatt tgcgtatgca attctacgat ctatcccaaa taaactagga gg
                                                                         472
<210> 153
<211> 472
<212> DNA
<213> Hylopetes phayrei
<400> 153
taccatgagg acaaatatcc ttctgagggg ctaccgttat tacaaaccta ctatctgcca
                                                                          60
tcccctacat tggaacagtc cttgtcgaat gaatttgagg gggattttcc gtagataagg
                                                                         120
ctaccctaac ccgattcttc gcattccact ttgtgctgcc ctttattatt gcagcactag
                                                                         180
ctataattca ccttctcttt ctacacgaaa caggatcaaa taacccatca ggcctaattt
                                                                         240
ccgattcaga caaaatccca tttcacccat actattcaat taaaqatctc ctaggcgcc
                                                                         300
ttattcttct cctaatcttt ataaacttag tactattttc ccccgatctt ttaggagacc
                                                                         360
ctgacaacta caccccccc aacccactta acacccctcc tcatattaaa ccagaatgat
                                                                         420
actttctatt cgcatacgca atcctacgat ctattcccaa taaattaqqa qq
                                                                         472
<210> 154
<211> 472
<212> DNA
<213> Petinomys setosus
<400> 154
taccatgagg acaaatatcc ttctgagggg ctaccgttat tacaaaccta ctatctgcca
                                                                          60
teccetatat tggaacagte ettgtegaat gaatttgagg gggattttee gtaqataaqq
                                                                         120
ctaccctaac ccgattcttc gcattccact ttgtgctgcc ctttattatt gcggcactgg
                                                                         180
ctataatcca ccttctcttt ctacacgaaa cagggtcaaa taatccatca ggtctaattt
                                                                         240
ccgattcaga caaattccca tttcacccat actattcaat taaagatctc ctaggggccc
                                                                         300
ttattcttct cctaatcttt ataaacttag tactattctc ccccgatctt ttaggagacc
                                                                         360
ctgacaacta cacccccgcc aacccactta acacccctcc tcatattaaa ccaqaatqat
                                                                         420
actttctatt cgcatacgca atcctacgat ctattcccaa taaattagga gg
                                                                         472
```

```
<210> 155
<211> 472
<212> DNA
<213> Belomys pearsonii
<400> 155
taccatgagg acaaatatct ttctgaggag ccactgtcat cacaaacctc ctttcagcta
                                                                          60
tcccttatat tggaactgat ctagtagagt gaatctgagg ggggttttca gttgacaagg
                                                                         120
caaccetaac acgattette gcattecact ttatettace atttategta gcagecettq
                                                                         180
caatagtcca cettettte etccaegaaa ttgggtcaaa taateeecce qqattaattt
                                                                         240
ctgaatctga taaagtacca ttccacccat acttcacaat caaagatatt cttggcgccc
                                                                         300
taatettegg cettatattt acaaceetta ttetattege eeetgatete etaggagace
                                                                         360
ctgacaacta tactccggcc aatccactta acacccctcc ccacattaaa ccagaatgat
                                                                         420
actttctaat ttattacgca atccttcgat ccatccccaa caaactagga qg
                                                                         472
<210> 156
<211> 472
<212> DNA
<213> Pteromys momonga
<400> 156
taccetgagg acaaatatca ttetgaggeg ceaetgteat caceaacetg etateegeea
                                                                          60
tcccttatat cggcaccaac cttgttgaat ggatctgagg tggtttctca gttgataaag
                                                                         120
ctaccetaac acgattettt gcattecact ttgteeteec etteattate geageectag
                                                                         180
caatagttca cctacttttc cttcatgaaa cagggtccaa caacccatct ggacttacct
                                                                         240
ccgaatccga caaaatccca ttccaccct acttcacaat taaaqacatt ttaqqaqcac
                                                                         300
tteteettgg ceteetatte ataatettag teetetttae teeagacete ettggagace
                                                                         360
ccgacaacta taccccagcc aaccccctca acactccccc tcatatcaaa ccagagtgat
                                                                         420
atttcctatt cgcatatgct atcttacgat ctatccctaa caaactaggc gg
                                                                         472
<210> 157
<211> 472
<212> DNA
<213> Galagoides demidoff
<400> 157
ttccatgagg ccaaatatca ttctgaggtg ctaccgtaat cactaacctg ctctcagcta
                                                                          60
teceatatat agggeetaet etagtagaat gaatetgagg ggggtttteg gtagacaaaq
                                                                         120
ctaccettae ecgattettt getttecaet ttateeteee atttateatt acageaatag
                                                                         180
tcataatcca cctcctattc cttcacgaaa caggatcaaa caacccctca ggacttccat
                                                                         240
cagactcaga caaaatcccc tttcacccct attacataat caaggatctc ctaggactga
                                                                         300
ttattetett actaactetg tteteeetag taatattete eeeggaeetg etaggagaee
                                                                         360
ctgacaacta caccccgcc aaccccctaa acaccccacc acatatcaaa ccagagtgat
                                                                         420
attteetatt tgeetaegee ateetaegat etateeceaa caaactagga gg
                                                                         472
```

```
<210> 158
<211> 472
<212> DNA
<213> Perodicticus potto
<400> 158
tcccatgagg acaaatatca ttctgaggtg ccacagtaat cacaaacctc ctatcagcaa
                                                                          60
tcccatatgt aggtacaacc ctggtagaat gaatttgagg gggattctca gtagacaaag
                                                                         120
ctaccctaac acgattette geettecact teatectece etttattate acageactag
                                                                         180
ccacaactca cctcttattt cttcacgaaa caggatcaaa taacccagca ggaattccat
                                                                         240
cagaatcaga caaaatcccc ttccacccct actacaccac caaagactta ctaggagcca
                                                                         300
tetttettet actaateeta eteaceetag teetattete eccagaceta ttaggagace
                                                                         360
ctgacaacta caccccagcc aaccccctaa acaccccacc acatatcaaa ccagaatggt
                                                                         420
actttctatt cgcctacgcc atcttacgat ccatcccaaa caaactggga gg
                                                                         472
<210> 159
<211> 472
<212> DNA
<213> Galago matschiei
<400> 159
tcccatgagg acaaatatca ttctgaggcg ctaccgtaat cacaaatctc ctctccgcaa
                                                                          60
ttccttacat gggtaccggc ctagtagaat gaatctgagg gggattttca gtagacaaag
                                                                         120
ccaccettae tegattette getttteaet teatectaee ttteattatt geageectag
                                                                         180
ccataattca ccttcttttc ctacatgaaa caggatcaaa caacccttca ggaatctcat
                                                                         240
cagacteega caaaateeca ttecaeeeet actaeacaat taaagaeeta etaggagtaa
                                                                         300
tettettaet actatgeeta ttetetetag taetatttte eccegatetg ttaggagaee
                                                                         360
cagacaattt tacccccgct aatcccttaa acaccccacc acacatcaaa ccagaatgat
                                                                         420
acttettatt tgettatgee ateettegat caatteecaa caaactagga gg
                                                                         472
<210> 160
<211> 472
<212> DNA
<213> Galago moholi
<400> 160
ttccgtgagg acaaatatca ttctgaggcg ctaccgtaat cactaacctc ctctcagcaa
                                                                          60
ttccctatat aggaactggc ctagtagaat gaatctgagg agggttctca gtagacaaag
                                                                         120
ctactcttac ccgatttttc gcttttcact tcatcctgcc tttcatcatc gcggccctag
                                                                         180
ccataattca tcttctttt ttacatgaaa cagggtcaaa taacccttcg ggaatctcat
                                                                         240
cagacteega caaaateece ttecaceeet actacacaat taaagaceta etaggageaa
                                                                         300
tectettaet attateceta ttetetetag tactattete ecetgacetg etgggagace
                                                                         360
cagacaatta tatccctgcc aaccccctaa acaccccacc acatattaaa ccagaatgat
                                                                         420
acttettatt tgeetaegee ateettegat caateeceaa caaactagga gg
                                                                         472
```

```
<210> 161
<211> 472
<212> DNA
<213> Otolemur garnettii
<400> 161
tcccatgagg acaaatgtca ttctgaggcg caaccgtaat tacaaatctc ctctcagcaa
                                                                          60
ttccctacat aggaactaac ctagtagagt gaatctgagg gggattttca gtagacaaag
                                                                         120
caacceteae eeggtttttt gettteeaet ttateetgee ttteateate geageeetag
                                                                         180
tcataatcca cctccttttc ctccacgaat caggatcaaa caacccttca ggaatcccat
                                                                         240
cagactetga caaaateeee tteeaceeet attacacaat taaagaeett etaggggeta
                                                                         300
tectectect tetaaceeta ttetecetag tectattete eccegacett etaggagace
                                                                         360
cagacaacta cacccctgcc aaccccctaa acacaccgcc ccatatcaaa cccgaatgat
                                                                         420
atttcctatt tgcttatgct atcttacgat ccatcccaaa taaactagga gg
                                                                         472
<210> 162
<211> 472
<212> DNA
<213> Loris tardigradus
<400> 162
tcccatgagg acaaatatca ttctgaggag ccacagtaat taccaaccta ctatcagcaa
                                                                          60
tcccttacat cggaactaac ctagttgaat gaatctgagg ggggttctca gtagataaag
                                                                         120
caacceteae acgattette geettteaet teateettee atteateate acageattaa
                                                                         180
ctgcaattca cctacttttc ctacacgaat caggatcaaa taacccatcc ggaataacat
                                                                         240
cagactetga caaaateeca ttteaceeet actacacatt aaaagatatt etaggagtaa
                                                                         300
ttgctctctt aatcacctta tcaactctag ttctattctc ccctgacctt ttaggagacc
                                                                         360
ccgataatta cacaccagct aaccctttaa acaccccacc ccacatcaaa ccagaatggt
                                                                        420
atttcctatt cgcatacgca atcctacgat caatccccaa taaactaggt gg
                                                                         472
<210> 163
<211> 472
<212> DNA
<213> Nycticebus coucang
<400> 163
tcccatgagg acaaatatca ttctgaggtg ccaccgtcat cactaaccta ctatcggcaa
                                                                         60
tcccctatat tggcacaaac ctagttgaat gggtctgagg aggcttctca gtagataaag
                                                                        120
ccacactcac acgattette geetteeact ttateeteec etteategte getgetetag
                                                                        180
ttgtgattca cctcatcttt ctacatgaaa caggctcaaa taatccatca ggaatctcat
                                                                        240
cagactcaga taagattcca tttcacccct actactcact taaagacctc ctaggagtgg
                                                                        300
ttttcctatt agcaacccta tctattctag tcttattctc ccctgacctc ctaggagacc
                                                                        360
ccgacaacta tacccccgcc aaccccttag tcacccctcc acatatcaaa ccagaatgat
                                                                        420
attttctatt cgcctacgcc atccttcgat caatccccaa caaactagga gg
                                                                        472
```

```
<211> 472
<212> DNA
<213> Mus musculus
<400> 164
ttccatgagg acaaatatca ttctgaggtg ccacagttat tacaaacctc ctatcaqcca
                                                                          60
tcccatatat tggaacaacc ctagtcgaat gaatttgagg gggcttctca gtagacaaag
                                                                         120
ccaccttgac ccgattcttc gctttccact tcatcttacc atttattatc gcggccctag
                                                                         180
caatcgttca cctcctcttc ctccacgaaa caggatcaaa caacccaaca qqattaaact
                                                                         240
cagatgcaga taaaattcca tttcacccct actatacaat caaagatatc ctaggtatcc
                                                                         300
taatcatatt cttaattctc ataaccctag tattattttt cccagacata ctaggagacc
                                                                         360
cagacaacta cataccagct aatccactaa acaccccacc ccatattaaa cccgaatgat
                                                                         420
atttectatt tgcatacgee attetacget caateeccaa taaactagga gg
                                                                         472
<210> 165
<211> 472
<212> DNA
<213> Gorilla gorilla
<400> 165
tcccatgagg ccaaatatcc ttctgaggag ccacagtaat cacaaacttg ctatccgcca
                                                                         60
tecegtaeat eggaacagae etagteeaat gagtttgagg tggttaetea gtagatagee
                                                                         120
ctaccettae acgattettt acettecaet ttateetaee etteateate acageeetaa
                                                                         180
caacceteca tetectattt etacaegaaa caggateaaa caacceteta ggeateecet
                                                                         240
cccactctga caaaatcacc ttccacccct actacacaat caaagacatc ctaggcctat
                                                                         300
tectetttet cetgacettg ataacattaa cactattete accagacete etaqqaqace
                                                                         360
cagacaacta caccttagec aaccecetaa geaccecace ceacateaaa eeegaatgat
                                                                         420
atttcctatt tgcctacgca attctccgat ctgtccccaa taaactagga qq
                                                                         472
<210> 166
<211> 472
<212> DNA
<213> Homo sapiens sapiens
<400> 166
tcccgtgagg ccaaatatca ttctgagggg ccacagtaat tacaaactta ctatccqcca
                                                                          60
tcccatacat tgggacagac ctagttcaat gaatctgagg aggctactca gtagacagtc
                                                                         120
ccaccetcac acgattettt acettteact teatettgcc etteattatt geageectag
                                                                         180
caacactcca cctcctattc ttgcacgaaa cgggatcaaa caacccccta ggaatcacct
                                                                         240
cccattccga taaaatcacc ttccaccctt actacacaat caaagacgcc ctcggcttac
                                                                         300
ttctcttcct tctctcctta atgacattaa cactattctc accagacctc ctaggcgacc
                                                                         360
cagacaatta taccctagcc aaccccttaa acacccctcc ccacatcaag cccgaatgat
                                                                         420
atttcctatt cgcctacaca attctccgat ccgtccctaa caaactagga gg
                                                                         472
```

<210> 164

```
<210> 167
<211> 472
<212> DNA
<213> Dugong dugong
<400> 167
teccatgagg acaaatatea ttetgaggag caacegttat tactaacete etgteageta
                                                                       60
teceetacat eggeaceaac etagtegaat gagtttgagg gggattetea gtagacaaag
                                                                      120
ccaccetcae ccgattette gecetacaet teatectace etteategta acegecetag
                                                                      180
taatagtcca cttactattc ctccacgaaa caggctccaa caaccccacg ggactgatct
                                                                      240
ccgactcaga caaaatccca ttccacccat attattcagt caaagacctc ctaggcctat
                                                                      300
tecteeteat tetagtetta etectaetaa eeetgttete eeeggacata etgggagaee
                                                                      360
cagacaacta cacaccagcc aacccactaa acacccctcc ccacattaaa ccagaatgat
                                                                      420
actttetatt eegataeget atceteegat etateeetaa taaactagge gg
                                                                      472
<210> 168
<211> 472
<212> DNA
<213> Elephas maximus
<400> 168
ttccatgagg acaaatatca ttctgagggg caaccgtaat tactaacctc ttctcaqcaa
                                                                       60
ttccctacat cggcacaaac ctagtagaat gaatttgagg aggcttttcg gtagataaag
                                                                      120
caacettaaa cegattette geetteeatt teateettee atttaetata gttgeactag
                                                                      180
caggagtgca cctaaccttt cttcacgaaa caggctcaaa caacccacta ggtctcactt
                                                                      240
300
ttatcctaat tttactcctt ctactcttag ccctactatc tccagacata ctaggagacc
                                                                      360
ctgacaacta cataccaget gatecactaa atacteeect acacateaaa ecagagtgat
                                                                      420
actteetttt tgettaegee attetaegat etgtaecaaa caaactagga gg
                                                                      472
<210> 169
<211> 472
<212> DNA
<213> Afropavo congensis
<400> 169
tcccatgagg ccaaatatca ttctgagggg caactgtcat cacaaaccta tactcagcaa
                                                                       6Ő
tcccctatat tggtcaaacc ctagtagaat gggcctgagg aggattctca gttgacaacc
                                                                      120
caaccetcae cegattette geeetacaet ttetteteee etttetaatt gegggaatta
                                                                      180
caattatcca cctcacattc cttcatgaat caggetcaaa caacccactg ggcatctcat
                                                                      240
ccaattcaga taaaatccca ttccacccgt actactccct caaagatatc ctaggcttag
                                                                      300
cactcatgct cattccattc ctgacactag ccctactctc ccccaacctc ttaggtgatc
                                                                      360
cagaaaactt caccccagca aaccctctag taactccccc acacattaaa ccagaatggt
                                                                      420
atttettatt tgeetatgee atcetteget eaateecaaa eaaaetagga gg
                                                                      472
```

```
<210> 170
<211> 472
<212> DNA
<213> Pavo muticus
<400> 170
tcccatgagg tcaaatgtca ttctgagggg caactgttat cacaaatcta ttctcaqcaa
                                                                          60
tcccttatat tggacaaacc ctagtagaat gagcctgagg gggattctca gtcgacaacc
                                                                         120
caacceteae eegattette geeetacaet tteteeteee etttgtaate geaggaatta
                                                                         180
caattatcca cctcacattc ctccatgaat caggctcaaa taatccacta ggcatctcat
                                                                         240
ccaactcaga caaaattccg ttccacccat actactccct caaagatatc ctaggcttaa
                                                                         300
ctcttatatt tatcccattc ctaacactag ccctattctc ccccaatctc ctaggtgacc
                                                                         360
cagaaaactt taccccagca aaccccctag taaccccccc gcacattaaa ccagaatgat
                                                                         420
acttettatt tgeetaegee ateettegtt caateeceaa caaactagga gg
                                                                         472
<210> 171
<211> 472
<212> DNA
<213> Tragopan blythii
<400> 171
tcccatgagg acaaatatca ttttgagggg ctaccqtcat cacaaactta ttctcaqcaa
                                                                         60
tcccatacat tggccaaacc ttagtagaat gagcctgagg aggcttttca gttgacaatc
                                                                         120
caaccetcae tegattette geectacaet teeteeteee atttgtaate geaggaatta
                                                                         180
ccatcatgca cctcatcttc ttacatgaat caggctctaa taacccactq qqcatctcat
                                                                         240
ctaactctga caaaatccca ttccacccgt actactccct caaagatatc ctgggtctaa
                                                                        300
cactcatgct caccccctc ctcacactag cattattctc accgaaccta ttaggcgacc
                                                                        360
cagaaaactt caccccagca aacccactag taacccctcc ccatatcaaa ccagaatgat
                                                                        420
acttectatt egettatgee atcetgeget caateecaaa caaacttggg gg
                                                                         472
<210> 172
<211> 472
<212> DNA
<213> Tragopan satyra
<400> 172
tcccatgagg acaaatatca ttttgagggg ctaccgtcat tacaaattta ttctcagcaa
                                                                         60
tcccatacat tggtcaaacc ctagtagaat gagcgtgagg cggcttttca gttgacaatc
                                                                         120
caaccetcae cegattette geectacaet teeteeteee attigtaate qeaqqaatta
                                                                        180
ctatcataca cctcatcttc ttacatgaat caggetctaa taacccactg ggcatctcat
                                                                        240
ccaactctga caaaatccca tttcatccat actactccct caaggatatc ctaggcctaa
                                                                        300
cactcatget caccecete etcacactag cettattete accaaaceta etaggtgate
                                                                        360
cagaaaactt caccccagca aacccactag taacccctcc ccatattaaa ccagaatgat
                                                                        420
acttectatt egectaegee atectaeget caateecaaa caaaettqqa qq
                                                                         472
```

```
<210> 173
<211> 472
<212> DNA
<213> Tragopan caboti
<400> 173
tcccatgagg acaaatatca ttttgaggag ctaccgtcat cacaaattta ttttcagcaa
                                                                          60
tcccatacat tggccaaact ctagtagaat gggcctgagg gggcttttca gttgacaatc
                                                                         120
caaccettae cegattettt geeetacaet teeteetee atttgtaate geaggaatea
                                                                         180
ccatcatcca cctcatcttc ctacatgaat caggetetaa caaccetetg ggcateteat
                                                                         240
ctgactctga caaaatccca ttccacccgt actactccct caaagatatc ctgggcctaa
                                                                         300
cactcatact cactcctctc ctcacactag ccttattttc accaaaccta ctaggtgacc
                                                                         360
cagaaaactt caccccagca aacccattgg taactcctcc ccatatcaag ccagaatggt
                                                                         420
atttcctgtt cgcttatgcc atcctacgct caatcccaaa caaactcgga gg
                                                                         472
<210> 174
<211> 472
<212> DNA
<213> Tragopan temminckii
<400> 174
tcccatgagg acaaatatca ttttgagggg ctaccgtcat cacaaattta ttctcagcaa
                                                                          60
teccataeat tggeeaaace etagtagaat gagettgagg gggettttea gttgaeaate
                                                                         120
caaccettac cegattettt geectacaet tecteeteec atttgtaate geaggaatta
                                                                         180
ccatcatcca cctcatcttc ctacatgaat caggctcaaa caaccctcta ggcatctcat
                                                                         240
ctaactctga caaaatccca ttccacccgt actactccct caaagatatc ctaggcctaa
                                                                         300
cactcatact cactcccctc ctcacactag ccttattttc accaaaccta ctaggtgatc
                                                                         360
cagaaaactt caccccagca aacccactag taactcctcc ccatatcaaa ccagaatgat
                                                                         420
attttctgtt cgcttatgcc atcctgcgct caattccaaa caaactcgga gg
                                                                         472
<210> 175
<211> 472
<212> DNA
<213> Argusianus argus
<400> 175
tcccatgagg acaaatatca ttttgaggag ctaccgtcat cacaaaccta ttctcagcaa
                                                                          60
tcccttatat tggacaaacc ctagtagagt gagcctgagg aggattttca gtcgacaacc
                                                                         120
ccaccettae ccgattettt getetacatt tecteetaee ettegtaate gcaggaatea
                                                                         180
ccatcatcca cctcacattc ctacacgaat caggctcaaa caacccacta ggcatctcat
                                                                         240
ctaactctga caaaatccca ttccacccat actactccct caaagacatc ctaggcctaa
                                                                         300
cactcatact cgctccattc cttacactaa ccctattcta cccaaaccta ctaggtgacc
                                                                         360
cagaaaactt caccccagca aacccattag taactccacc ccacatcaag ccagaatgat
                                                                         420
acttectatt egectatgee atectaeget caateecaaa caaactagga gg
                                                                         472
```

```
<210> 176
<211> 472
<212> DNA
<213> Catreus wallichi
<400> 176
ttccatgggg acaaatatca ttttgagggg ctactgtcat cacaaatcta ttctcagcaa
                                                                          60
tcccttacat cggacagacc ctagtagaat gagcctgagg aggattctca gttgacaatc
                                                                         120
caacteteae eegattette geeetgeaet teeteettee ettegtaatt geaggaatea
                                                                         180
ccatcaccca tctcatattc ctacatgaat caggctcaaa taacccccta ggcatctcat
                                                                         240
ctaactccga caaaatccca ttccacccat actactccct caaagatatc ctaggcctag
                                                                         300
cacttatatt caccccattc ctaacactag ccctattctc accaaatctt ctgggcgacc
                                                                         360
cagaaaactt caccccagca aatccattag taaccccacc acacattaaa ccagaatggt
                                                                         420
acttettatt tgeetaeget ateetaeget caateecaaa taaaetegga gg
                                                                         472
<210> 177
<211> 472
<212> DNA
<213> Crossoptilon crossoptilon
<400> 177
tcccatgagg acaaatatca ttttgagggg gtaccgtcat cacaaatcta ttctcagcaa
                                                                          60
tcccttacat tggacaaacc ctagtcgagt gagcctgagg gggattctca gttgacaacc
                                                                         120
caacceteae eegattette geeetacaet teeteeteee ettegtaatt geaggaatta
                                                                         180
etgteaccca ceteatatte etacaegaat caggeteaaa caacccacta ggeateteat
                                                                         240
ctaattccga caaaatccca ttccacccct actactccct caaagacatc ctaggcctag
                                                                         300
cacttatact caccccattc ctaacactag ccctattctc acctaacctt ctgggcgacc
                                                                         360
cagagaactt caccccagca aacccactag taaccccccc tcacattaaa ccagaatgat
                                                                         420
acttectatt tgeetatget ateetgeget caateecaaa taaactegga qq
                                                                         472
<210> 178
<211> 472
<212> DNA
<213> Syrmaticus reevesi
<400> 178
teccatgagg acaaatatea ttttgagggg caacegteat cacaaattta ttetcageaa
                                                                          60
tecectacat eggacaaace etagtagagt gggeetgagg aggattetea gttgacaace
                                                                         120
caaccetcac cegattette gecetteact ttetectace ettegtaate acaggaatea
                                                                         180
ccatcacaca tcttatgttc ctacacgaat caggctcaaa caacccacta ggcatttcat
                                                                         240
ctaactctga caaaatcccc tttcacccat actactctct caaagatatc ctaggcctag
                                                                         300
cacttatact caccccattc ctcacactag ccctattctc acctaacctg ctaggcgacc
                                                                         360
cagaaaactt caccccagca aacccactag taacccctcc tcacattaaa ccagaatgat
                                                                         420
acttectatt tgeetaegee atectaeget caateecaaa caaactgggg gg
                                                                         472
```

```
<210> 179
<211> 472
<212> DNA
<213> Bambusicola thoracica
<400> 179
tcccatgggg ccaaatatcc ttttgagggg ctaccgtcat cacaaattta ttctcagcaa
                                                                          60
ttccctacat cggacaaacc ctagtagaat gagcctgggg gggattctca gtagacaacc
                                                                         120
caactctcac ccgattcttc gccttacact tcctactccc cttcgtaatc gcaggaatta
                                                                         180
ccattatcca cctcacattc ttacacgaat caggatcaaa caacccccta ggcatctcat
                                                                         240
ctaactccga caaaatccca ttccacccat actactcctt taaagacatt ctcggcctag
                                                                         300
conttatatt catcocatto otgacactag contattoto contaaccto otaggagaco
                                                                         360
cagaaaactt caccccagca aacccactag taacccctcc acacatcaaa ccagagtggt
                                                                         420
acttectatt egegtatget ategtaegat caateeccaa caaactegga gg
                                                                         472
<210> 180
<211> 472
<212> DNA
<213> Francolinus francolinus
<400> 180
teccatgagg ccaaatatca ttetgagggg ctacegteat tacgaaceta ttetcageaa
                                                                          60
ttccctacat tggacaaacc ttagtagagt gagcctgagg gggattctca gtagataacc
                                                                         120
caacceteae eegattette geeetacaet teetteteee ettegtaatt geaggaatea
                                                                         180
ctatcatcca cctcacattt ctgcacgaat caggctcaaa caacccccta ggcatctcat
                                                                         240
ctgactetga caaaateeca ttecaeccat actacaecet caaagacate etaggeetaa
                                                                         300
cccttatatt catccctctc cttacactag ccctattctc ccccaacctc ctaggegacc
                                                                         360
ccgaaaactt caccccagca aacccactag taactcctcc ccacatcaaa ccagaatgat
                                                                         420
acttectatt tgeetaegee ateetaeget caateeceaa caaactegga gg
                                                                         472
<210> 181
<211> 472
<212> DNA
<213> Ithaginis cruentus
<400> 181
taccatgagg acaaatatca ttctgaggag ccactgtaat cacaaaccta ctctcagcaa
                                                                          60
ttccctacat cggccaaact ctggtagaat gagcttgagg aggattttca gtagacaacc
                                                                         120
caacceteae cegattette geeetacaet tteteeteee ettegeaate geaggaatta
                                                                         180
ctgtcatcca ccttacactc ctccacgaat caggttcaaa taacccacta ggcatctcat
                                                                         240
ctaactctga caaaatccca tttcacccat actactccct caaagacatc ctaggcctag
                                                                         300
cacttatact cateccettt ettacactag tectatttte ecceaacete etaggagate
                                                                         360
cagaaaactt tagtccagca aaccccctag taaccccacc ccatattaaa ccagaatgat
                                                                         420
acttectatt tgcctacget attetacget caateeccaa taaaettgga gg
                                                                         472
```

```
<210> 182
<211> 472
<212> DNA
<213> Anthropoides paradisea
<400> 182
taccatgagg acaaatgtca ttttgagggg ctacagtcat caccaatctc ttctcagccg
                                                                          60
teccatatat eggecaaace ettgtagaat gagettgagg gggtttetea gtagacaate
                                                                         120
ccacattaac tcgattcttc actttacact tcctccttcc attcataatt atgggcctca
                                                                         180
ccctaatcca cctcaccttc cttcacgagt ccggctcaaa caacccccta ggcattgtat
                                                                         240
caaactgcga taaaatccca ttccacccct atttttcctt aaaagatatc ctaggattca
                                                                         300
tactcatact actcccactc ataaccctag ctctattctc accaaactta ctaggagacc
                                                                         360
cagaaaactt caccccagca aaccccctag tcacacctcc ccatatcaaa ccagaatgat
                                                                         420
atttettatt tgegtatgee ateetaegtt caatteeaaa caaactagga gg
                                                                         472
<210> 183
<211> 472
<212> DNA
 <213> Anthropoides virgo
 <400> 183
taccatgggg acaaatgtca ttttgagggg ctacagttat caccaatctc ttctcagccg
                                                                           60
tcccatacat cggccaaacc cttgtagaat gagcttgagg gggtttttca gtagataatc
                                                                          120
 ccacattaac tcgattcttc acgttacact tcctccttcc attcataatt atgggcctca
                                                                          180
 ccctaatcca cctcaccttc cttcacgaat ccggctcaaa caacccccta ggcatcgtat
                                                                          240
 caaactgcga taaaatccca ttccacccct atttttcctt aaaagatatc ctaggattca
                                                                          300
 tactcatact actcccactc ataaccctag ctctattctc accaaactta ctaggagacc
                                                                          360
 cagaaaactt cccccagca aatcccctag tcacacctcc ctatattaaa ccagaatgat
                                                                          420
 atttcttatt tgcatacgcc atcctacgtt caattccaaa caaactagga gg
                                                                          472
 <210> 184
 <211> 472
 <212> DNA
 <213> Grus antigone antigone
 <400> 184
 taccatgagg acaaatatca ttttgagggg ctacagtcat caccaatctc ttctcagccg
                                                                            60
 tecectacat eggecaaace ettgtagaat gagettgagg gggettetea gtagacaate
                                                                           120
  ccacattaac tcgattette actttacact tecteettee atteataate ataggeetea
                                                                           180
  ccctaatcca cctcaccttc cttcacgaat ccggctcaaa caacccccta ggcatcgtat
                                                                           240
  caaactgcga taaaatccca ttccacccct acttttcctt aaaagatatc ctaggattca
                                                                           300
  cactcatact acttccactc ataaccctag ccctattctc accaaaccta ctaggagacc
                                                                           360
  cagaaaactt caccccagca aaccccctag tcacacctcc tcatatcaag ccagaatgat
                                                                           420
  actttttatt tgcatacgcc atcctacgtt caatcccaaa caaactagga gg
                                                                           472
```

```
<210> 185
<211> 472
<212> DNA
<213> Grus antigone gillae
<400> 185
taccatgagg acaaatatca ttttgagggg ctacagtcat caccaatctc ttctcaqccq
                                                                          60
teccetacat eggecaaace ettgtagaat gagettgagg gggettetea gtagacaate
                                                                         120
ccacattaac tcgattcttc actttacact tcctccttcc attcataatc ataggcctca
                                                                         180
ccctaatcca cctcaccttc cttcacgaat ccggctcaaa caacccccta ggcatcgtat
                                                                         240
caaactgcga taaaatccca ttccacccct acttttcctt aaaagatatc ctaggattca
                                                                         300
cactcatact acttccactc ataaccctag ccctattctc accaaaccta ctaggagacc
                                                                         360
cagaaaactt caccccagca aaccccctag tcacacctcc tcatatcaag ccagaatgat
                                                                         420
actttttatt tgcatacgcc atcctacgtt caatcccaaa caaactagga gg
                                                                         472
<210> 186
<211> 472
<212> DNA
<213> Grus antigone sharpei
<400> 186
taccatgagg acaaatatca ttttgagggg ctacagtcat caccaatctc ttctcagccg
                                                                          60
teceetaegg eggeeaaace ettgtagaat gagettgagg gggettetea gtagacaate
                                                                         120
ccacattaac tcgattcttc actttacact tcctccttcc cttcataatc ataggcctca
                                                                         180
ccctaatcca cctcaccttc cttcacgaat ccggttcaaa caacccccta ggcatcgtat
                                                                         240
caaactgcga taaaatccca ttccacccct acttttcctt aaaagatatc ctaggattca
                                                                         3.00
cactcatact acttccactc ataaccctag ccctattctc accaaaccta ctaggagacc
                                                                         360
cagaaaactt caccccagca aaccccctag tcacacctcc ccatatcaag ccagaatgat
                                                                         420
actttttatt tgcatacgcc atcctacgtt caatcccaaa caaactagga gg
                                                                         472
<210> 187
<211> 472
<212> DNA
<213> Grus leucogeranus
<400> 187
taccatgagg acaaatatca ttttgagggg ctacagtcat caccaatctc ttctcaqccq
                                                                          60
tcccctacat cggccaaacc cttgtagaat gagcttgagg gggcttctca gtagacaacc
                                                                         120
ccacattaac tcgattcttc actttacact tcctccttcc attcataatc ataggcctca
                                                                         180
ccctaatcca cctcaccttc cttcacgaat ccggctcaaa caacccccta ggcatcgtat
                                                                         240
caaactgcga taaaatccca ttccacccct acttttcctt aaaagatatc ctagggttca
                                                                         300
tactcatact acttccactc ataaccttag ccctattctc accaaactta ctaggagacc
                                                                         360
cagaaaactt cactccagca aaccccctag taacaccccc acatattaaa ccagaatgat
                                                                         420
```

acttectatt tgcatacgee atcegaegtt caateecaaa caaactagga gg

```
<210> 188
<211> 472
<212> DNA
<213> Grus canadensis pratensis
<400> 188
tgccatgagg acaaatatca ttctgagggg ctacagtcat taccaacctc ttctcagccg
                                                                          60
tcccatacat cggccaaacc ctcgtagaat gggcttgagg gggcttctca gtagacaatc
                                                                         120
ccacattaac ccgattette actttacact tectectece atteataatt ataggeetea
                                                                         180
ecetaateca ceteacette etteaegaat eeggeteaaa eaaceeeta ggeattgtat
                                                                         240
caaactgcga taaaatccca ttccacccct atttttcctt aaaagatatc ctagggttca
                                                                         300
tactcatact acttccactc ataaccctag ctctattttc accaaactta ctaggagacc
                                                                         360
cagaaaactt caccccagca gaccccctag tcacacctcc ccatatcaaa ccagaatgat
                                                                         420
actittatt tgcctacgcc atcttacgct caatcccaaa caaactagga gg
                                                                         472
<210> 189
<211> 472
<212> DNA
<213> Grus canadensis rowani
<400> 189
tgccatgagg acaaatatca ttctgagggg ctacagtcat taccaacctc ttctcagccg
                                                                          60
teccatacat eggecaaace etegtagaat gggettgagg gggettetea gtagacaate
                                                                         120
ccacattaac ccgattcttc actttacact tcctcctccc attcataatt ataggcctca
                                                                         180
ccctaatcca cctcaccttc cttcacgaat ccggctcaaa caatccccta ggcattgtat
                                                                         240
caaactgcga taaaatccca ttccacccct atttttcctt aaaagatatc ctagggttca
                                                                         300
tactcatact acttccactc ataaccctag ctctattttc accaaactta ctaggagacc
                                                                         360
cagaaaactt caccccagca aaccccctag tcacacctcc ccatatcaaa ccagaatgat
                                                                         420
actttttatt tgcctacgcc atcttacgct caatcccaaa caaactagga gg
                                                                         472
<210> 190
<211> 472
<212> DNA
<213> Grus canadensis tabida
<400> 190
taccatgagg acaaatatca ttctgagggg ctacagtcat taccaacctc ttctcagccg
                                                                          60
teccatacat eggecaaace etegtagaat gggettgagg gggettetea gtagacaate
                                                                         120
ccacattaac ccgattcttc actttacact tcctcctccc attcataatt ataggcctca
                                                                         180
ccctaatcca cctcaccttc cttcacgaat ccggctcaaa caacccccta ggcattgtat
                                                                         240
caaactgcga taaaatccca ttccacccct atttttcctt aaaagatatc ctagggttca
                                                                         300
tactcatact acttccactc ataaccctag ctctattttc accaaactta ctaggagacc
                                                                         360
cagaaaactt caccccagca aaccccctag tcacacctcc ccatatcaaa ccagaatgat
                                                                         420
actttttatt tgcctactcc atcttacgct caatcccaaa caaactagga gg
                                                                         472
```

```
<210> 191
<211> 472
<212> DNA
<213> Grus canadensis canadensis
<400> 191
                                                                          60
taccatgggg acaaatatca ttctgagggg ctacagtcat taccaacctc ttctcagccg
tcccatacat cggccaaacc ctcgtagaat gggcttgagg gggcttctca gtagacaatc
                                                                         120
ccacattaac ccgattette actttacact tectectece atteataatt ataggeetea
                                                                         180
                                                                         240
ccctaatcca cctcaccttc cttcacgaat ccggctcaaa caacccccta ggcattgtat
caaactgcga taaaatccca ttccacccct atttttcctt aaaagatatc ctagggttca
                                                                         300
                                                                         360
tactcatact acttccactt ataaccctag ctctattctc accaaactta ctaggagacc
                                                                         420
caqaaaactt caccccaqca aaccccctag tcacacctcc ccatatcaaa ccagaatgat
actttttatt tqcctacqcc atcttacqct caatcccaaa caaactagga gg
                                                                         472
<210> 192
<211> 472
<212> DNA
<213> Grus americana
<400> 192
                                                                          60
taccatgagg acaaatatca ttttgagggg ctacagttat caccaatctc ttctcagccg
tcccatacat cggccaaacc atcgtagaat gagcttgagg gggcttctct gtagacaacc
                                                                         120
ccacattaac ccgattcttc actttacact tcctcctccc attcataatc ataggcctca
                                                                         180
ccctaatcca cctcaccttc ctccacgaat ccggctcaaa caacccccta ggcatcgtat
                                                                         240
caaactgcga taaaatccca ttccacccct atttttcctt aaaagacatc ctaggattca
                                                                         300
                                                                         360
cactcatatt acttccactc ataaccctag ctctattttc accaaactta ctaggagacc
cagaaaactt caccccagca aaccccctag tgacacctcc ccatattaag ccggaatgat
                                                                         420
actttttatt tgcatacgcc atcctacgtt caatcccaaa caaactagga gg
                                                                         472
<210> 193
<211> 472
<212> DNA
<213> Grus grus
<400> 193
                                                                           60
taccatgggg acaaatgtca ttttgagggg ctacagttat caccaatctc ttctcagccg
teccatacat eggecaaace etegtagaat gagettgagg gggettetea gtagacaace
                                                                          120
                                                                          180
ccacattaac ccgattcttc accttacact tcctcctccc attcataatc ataggcctca
                                                                          240
ccctaatcca cctcaccttc cttcacgaat ccggctcaaa caacccccta ggcatcgtat
caaactgcga taaaatccca ttccacccct atttttcctt aaaagatatc ctagggttca
                                                                          300
                                                                          360
 tactcatatt acttccactc ataaccctag ctctattttc accaaactta ctaggagacc
 cagaaaactt caccccagca aaccctctag tcacacctcc ccatattaag ccggaatgat
                                                                          420
                                                                          472
```

actttttatt tqcatacqcc atcctccqtt caatcccaaa caaactagga gg

```
<210> 194
<211> 472
<212> DNA
<213> Grus monacha
<400> 194
taccatgagg acaaatatca ttttgagggg ctacagttat caccaacctc ttctcagccg
                                                                          60
tcccatacat cggccaaacc ctcgtagaat gagcttgagg aggcttctca gtagacaacc
                                                                         120
ccacattaac tegattette acettacaet teeteeteee atteataate ataggeetea
                                                                         180
ccctaatcca cctcaccttc ctccacgaat ccggctcaaa caacccccta ggcatcgtat
                                                                         240
caaactgcga taaaattcca ttccacccct atttttcctt aaaagatatc ctaggattca
                                                                         300
tattcatatt acttccactc ataaccctag ctctattttc accaaactta ctaggagacc
                                                                         360
cagaaaactt caccccagca aaccccctag tcacacctcc tcatattaaa ccggaatgat
                                                                         420
actttctatt tgcatacgcc gtcctacgtt caatcccaaa caaactagga gg
                                                                         472
<210> 195
<211> 472
<212> DNA
<213> Grus nigricollis
<400> 195
taccatgagg acaaatatca ttttgagggg ctacagttat caccaacctc ttctcagccg
                                                                          60
teccataeat eggeeaaace etegtagaat gagettgagg aggettetea gtagaeaace
                                                                         120
ccacattaac tegattette acettacaet teeteeteee atteataate ataggeetea
                                                                         180
ccctaatcca cctcaccttc ctccacgaat ccggctcaaa caacccccta ggcatcgtat
                                                                         240
caaactgcga taaaattcca ttccacccct atttttcctt aaaagatacc ctaggattca
                                                                         300
tattcatatt acttccactc ataaccctag ctctattttc accaaactta ctaggagacc
                                                                         360
dagaaaactt caccccagca aaccccctag tcacacctcc ccatattaag ccggaatgat
                                                                         420
actttctatt tgcatacgct atcctacgtt caatcccaaa caaactagga gg
                                                                         472
<210> 196
<211> 472
<212> DNA
<213> Grus japonensis
<400> 196
taccatgggg acaaatatcc ttttgagggg ctacagttat caccaatctc ttctcagccg
                                                                          60
teccatacat eggecaaace etegtagaat gagettgagg gggettetea gtagacaace
                                                                         120
ccacattaac tegattettt acettacaet teeteeteee atteataate ataggeetea
                                                                         180
ccctaatcca tctcactttc ctccacgaat ccggctcaaa caacccccta ggcatcgtat
                                                                         240
caaactgtga taaaatccca ttccacccct atttttcctt aaaagatatc ttaggattta
                                                                         300
cactcatatt acttccactc ataaccctag ccctattctc accaaactta ctaggagacc
                                                                         360
cagaaaactt caccccagca aaccccctag ttacacctcc ccatattaag ccggaatgat
                                                                         420
```

acttettatt tgcatacget attetgegtt caateecaaa caaactagga gg

```
<210> 197
  <211> 472
 <212> DNA
 <213> Ciconia boyciana
 <400> 197
 tgccatgagg acagatatca ttctgagggg ctacagtcat caccaaccta ttttcagcta
                                                                           60
 tcccctacat cggccaaacc ctcgtagaat gggcctgagg gggcttctcc gtcgataacc
                                                                          120
 caacactaac ccgattette geectacact ttettetee ettegeaate geaggeetea
                                                                          180
 ccctaatcca cctcaccttc cttcacgagt ccggctcaaa caacccccta ggcatcatct
                                                                          240
 caaactgcga caaaattcca ttccacccct acttctccct caaagatatc ctaggcctta
                                                                          300
 cacteetact tetgecacta accaecetgg cectattete acceaaceta etaggtgace
                                                                          360
 cagagaactt caccccagcc aaccccctag tcacacccc tcacatcaag ccagagtggt
                                                                          420
 acttectett tgeataegee ateetaeget eeateecaa caaactagga gg .
                                                                          472
 <210> 198
 <211> 472
 <212> DNA
 <213> Rhea americana
 <400> 198
taccatgagg acaaatatca ttctgaggag ctacagttat taccaaccta ttctcagcca
                                                                          60
tcccgtacat cggacaaacc ttggtagaat gagcttgagg ggggttttca gtagacaacc
                                                                         120
ctaccctaac ccgattette geeetgeact teetteteee ettectaate geaggeatta
                                                                         180
ctcttatcca cctcaccttc ctacacgaaa ccgggtccaa caacccctta ggaatcgtat
                                                                         240
ctcactctga caaaatccca ttccacccct acttctccct aaaagatgcc ctaggactag
                                                                         300
ctctcatatt tatcccgctc ctaaccctag ccttcttctc acccaacctc ctaggggacc
                                                                         360
cagaaaactt caccccagcc aaccccctag ttacaccccc tcacatcaag ccagaatgat
                                                                         420
atttcctatt cgcttacgcc atcttacgct ccatccccaa caaactagga gg
                                                                         472
<210> 199
<211> 472
<212> DNA
<213> Anthracoceros albirostris
<400> 199
taccatgagg gcaaatatca ttctgaggcg ccaccgtcat caccaaccta ttctcagcca
                                                                          60
tcccatacat cggccaaacc ttagtagaat gggcctgagg gggattctcc gttgacaacc
                                                                         120
caaccetgae acgattette geectacaet tteteeteee gtteataate geaggeetag
                                                                         180
tcctaattca cctggcattc ctccacgaat caggctcaaa caacccacta ggcatcacat
                                                                         240
ccaactgcga caaaatccca ttccacccat actttgccct aaaggacatc ctaggattca
                                                                         300
cagtaatact cctcctcta acctccctag ccctcttctc ccccaaccta ctaggagacc
                                                                         360
cagaaaactt cacaccagca aaccccctgg taactccccc ccatattaag ccagaatggt
```

atttcctatt cgcatatgcc atcctacgct caatccccaa taaactagga gg

420

```
<210> 200
<211> 472
<212> DNA
<213> Falco femoralis
<400> 200
taccctgagg acaaatatca ttctgagggg ctacagttat caccaaccta ttttcagcaa
                                                                          60
tcccatacat cggtcaaacc ctagtcgagt gggcctgagg aggattttca gtagacaatc
                                                                         120
caacactgac ccgattette gecetacaet tecteetace attectaate geagggetea
                                                                         180
ccttaatcca cctcaccttc ctacatgaat caggttcaaa caacccccta ggaatcacat
                                                                         240
caaactgcga taaaatccca ttccatccct attactctct caaagacctc ctaggattca
                                                                         300
tactcatata cotcoccota ataaccttag coctattcac toccaaccta ctaggagacc
                                                                         360
cagaaaactt tacaccagca aatcccctag tcacccccc acacatcaaa ccagaatgat
                                                                         420
acttcctatt cgcctacgcc atcctacgct caatccccaa caaactaggt gg
                                                                         472
<210> 201
<211> 472
<212> DNA
<213> Falco verpertinus
<400> 201
taccctgagg acaaatatca ttctggggag ccacagtcat cactaaccta ttttcagcaa
                                                                          60
teccatacat eggecaaace etagtegaat gggeetgagg aggattttea gtagataace
                                                                         120
caacactaac ccgattcttc gccctacact ttctcctacc attcctaatc gcagggctca
                                                                         180
ccctaattca cctcaccttc ctacacgaat caggttcaaa caacccccta ggaatcacat
                                                                         240
caaactgcga caaaatccca ttccatccct actactctct aaaagacctt ttaggagtca
                                                                         300
tactcatata cotoccota ataaccotag coctatttac cocaaactta ctaggagacc
                                                                         360
cagaaaactt cacaccagca aaccccctag tcacaccccc acacatcaaa ccagaatgat
                                                                         420
acttcctatt tgcctacgcc atcctacgct caatccccaa caaactgggt gg
                                                                         472
<210> 202
<211> 472
<212> DNA
<213> Falco peregrinus
   ૧> 202
        r acaaatatca ttctgaggag ccacagtcat taccaaccta ttctcagcaa
                                                                          60
           rggccaaacc ctagtcgaat gagcttgagg gggattttca gtagacaacc
                                                                         120
              ttette gecetacaet tectaettee attectaate geaggaetea
                                                                         180
                 cttc ctacatgaat caggotcaaa taacccccta ggaatcacat
                                                                         240
                      ttccacccat actactctct caaagatatc ctaggattta
                                                                         300
                      taaccctag ccctatttac cccaaacctg ctaggagacc
                                                                         360
                      .atcccttag tcacccccc acacatcaaa ccagaatgat
                                                                         420
                     , atcctacgct caatccccaa taaactgggc gg
                                                                         472
```

```
<210> 203
<211> 472
<212> DNA
<213> Falco sparverius
<400> 203
taccctgagg acaaatgtca ttctgaggag ccacagtcat taccaaccta ttctcagcaa
                                                                          60
tcccatatat cggccaaacc ctagtcgaat gggcctgagg aggattctca gtagacaacc
                                                                         120
caacactaac ccgcttcttc gccttacact tcctcctacc attcctaatc gcagggctta
                                                                         180
cettaateca ceteacette etacatgaat caggitecaa caaceceeta ggagiteacat
                                                                         240
caaactgtga caaaatccca ttccaccct actactctct caaagacctc ctaggtttta
                                                                         300
tgctcatact cctgccccta atagccctag ccctattcac cccaaacctg ctaggagacc
                                                                         360
cagaaaactt cacaccagcg aaccccctag tcaccccacc acacatcaaa ccagaatgat
                                                                         420
acttectatt tgeetaeget attetaeget caatteecaa caaattagge gg
                                                                         472
<210> 204
<211> 472
<212> DNA
<213> Aythya americana
<400> 204
taccatgagg acaaatatca ttotgagggg ccaccgtgat cactaacctg ttotcagccc
                                                                          60
teccataeat egggeaaace ettgtagaat gggeetgagg aggatteteg gtagaeaace
                                                                         120
caaccetaac tegattette gecatecaet tectaetaee ettectaate geaggaatea
                                                                         180
ccctagtcca cctaactttc ctgcacgagt caggctcaaa caacccccta ggcattgtat
                                                                         240
cagactgcga caaaatccca tttcacccct acttctcctt caaagacatc ctaggattta
                                                                         300
tecteatget cacceceta atageactag cectattete accaaacete etaggagace
                                                                         360
cagaaaactt taccccagca aacccactag taaccccacc ccacatcaaa ccagaatgat
                                                                         420
acttectatt egectaegee atcetgegat caateeegaa taaactagga gg
                                                                         472
<210> 205
<211> 472
<212> DNA
<213> Smithornis sharpei
<400> 205
tcccatgagg ccaaatatca ttctgaggtg ctacagtaat caccaacctc ttctcagcta
                                                                          60
ttccatacat cggacaaacc ctagtagaat gagcttgggg aggattttca gtagacaacc
                                                                         120
ccaccettae cegattette tecetteaet teeteetee atttateate geaageetga
                                                                         180
cactcatcca tctcaccttc ctccatgaaa caggttcaaa caaccctcta ggtatctcat
                                                                         240
ctaactccga taaaatccca ttccacccat acttctccat aaaagacatt ctaggctttg
                                                                         300
caatcatact aacaccacta ataaccctag ccatattctc tcctaacctc ctaggagacc
                                                                         360
cagaaaattt cacaccegec aacteeeteg teacteeece teatateaaa eeegaatgat
                                                                         420
attttttatt tgcatacgct attctgcgat caattccaaa caaactagga gg
                                                                         472
```

```
<210> 206
 <211> 472
<212> DNA
 <213> Vidua chalybeata
 <400> 206
 tgccatgagg acaaatatca ttctgaggag ccacagtaat cacaaaccta ttctcagcaa
                                                                        60
 ttccatacat tggccaaacc ctagtagaat gagcctgagg aggattctca gtagacaacc
                                                                       120
 caacactcac ccgattcttc gccctacact tccttctacc cttcgtcatt gcaggactca
                                                                       180
 ctctagtcca cctcacattc ctacacgaaa caggatcaaa caatccaata ggaattccat
                                                                       240
 cagactgtga caaaattcca ttccacccat actacaccac aaaggacatc ctaggcttcg
                                                                       300
 tactaatatt cgcactccta gcttccatag ccctattctc cccaaacata ctaggagatc
                                                                       360
 cagaaaactt cactccggcc aaccccctaa tcacaccacc acatatcaaa cccgaatgat
                                                                       420
acttcctatt cgcctacgcc atcctacgat ccatcccaaa caaactagga gg
                                                                       472
 <210> 207
 <211> 472
<212> DNA
<213> Chrysemys picta
<400> 207
taccatgggg ccaaatatcc ttctgaggtg ccaccgttat tactaacctc ctctcagcca
                                                                        60
tcccattcat tggtaacaca ttagtacaat gaatctgagg tggattctca gtagacaacg
                                                                       120
caaccttaac ccgatttttt acccttcact tccttctacc atttacaatc ataggtctaa
                                                                       180
caatagtaca cctacttttt ctacatgaaa ctggatcaaa caacccaaca ggattaaact
                                                                       240
caaacactga caaaatccca ttccaccctt atttctcata taaagacctt ttaggcgtca
                                                                       300
ttctaatact aaccetecta ctaaccetaa cactattete tecaaacett ttaggggace
                                                                       360
cagataactt cacaccggcc aaccccctat ctaccccacc acatattaaa ccagaatgat
                                                                       420
actttctttt cgcttacgca attctacgat ccatcccaaa caaattaggt gg
                                                                       472
<210> 208
<211> 472
<212> DNA
<213> Emys orbicularis
<400> 208
taccatgagg ccaaatatcc ttctgaggtg ccaccgttat tactaacctc ctctcaqccq
                                                                        60
tcccatacat tggcaataca ctagtgcaat gaatctgagg gggattctca gtagataacg
                                                                       120
caaccctaac ccgattcttc actttccatt tcttactgcc atttaccatt ataggcctaa
                                                                       180
caatagtaca cctactcttc ctacacgaaa ccggatcaaa caatccaaca ggattaaact
                                                                       240
caaacaccga taaaatccct ttccatccct acttctcata caaagaccta ttaggactca
                                                                       300
tectaatact ageetteetg etaaceetaa cactattete teetaacett etaggagace
                                                                       360
420
```

actttetttt tgeetaegea ateetaegat eaateeeaaa eaaattagga gg

```
<210> 209
<211> 472
<212> DNA
<213> Chelonia mydas
<400> 209
taccatgagg acaaatatca ttttgagggg ccaccgtcat cacaaaccta ctctcagcca
                                                                          60
teceatacat eggeaacaca etagtacaat gaatetgagg agggttttea gtagacaatg
                                                                         120
caaccctaac ccgattcttc accttccact tcctattacc atttgccatt accggcctta
                                                                         180
cagcagtaca tetattatte etgeacgaaa caggateaaa caacceaaca ggattaaatt
                                                                         240
caaataccga caaaatcccc ttccacccct acttctccta caaagactta ctaggactca
                                                                         300
ttttaatact aactttcctc ctaaccttaa cacttttctc cccctactta ctaggagacc
                                                                         360
cagacaactt cacaccagcc aaccctctat ccactcctcc ccacatcaaa ccagaatgat
                                                                         420
acttectatt tgeetaegea ateetaegat caateecaaa caaactagge gg
                                                                         472
<210> 210
<211> 472
<212> DNA
<213> Eumeces egregius
<400> 210
teccatgggg acagatatee ttetgaggeg caacegtaat tacaaaceta ttateageaa
ttccatacat tggcaccaac ctagtagaat gaatttgagg gggcttttcc gtagacaacg
caaccetcae cegattttte acattecaet teettetgee attegetatt ataggggeet
caataattca cctactattt cttcacgaaa caggatcaaa taacccaacc ggactaaatt
ctagcacaga taaggtgcca ttccacccat attacacata caaagacctt cttggtttca
tcattatact gtctgttcta ctagccctcg cccttttctc accaaacctt ctaggcgacc
cagaaaattt taccccagca aaccccctgg taacaccccc acatattaag ccagagtgat
acttettatt tgeetaegee ateetaeget etatteeaaa caaactagge gg
<210> 211
<211> 472
<212> DNA
<213> Antelope cervicapra
```

60 120 180 240 300 360 420 472 <400> 211 taccatgagg acaaatatct ttttgaggag caacagtcat caccaatctc ctttcagcaa 60 tcccatacat cggtacaaac ctagtagaat gaatctgagg agggttctca gtagataaag 120 caaccettae cegattttte geetteeact ttateeteec atttateatt geageeetta 180 ccatagtaca cctactgttt ctccacgaaa caggatccaa caaccccaca ggaatctcat 240 cagacgcaga caaaattcca ttccacccct actacactat caaagatatc ctaggagctc 300 tactattaat tttaaccctc atgcttctag tcctattctc accggacctg cttggagacc 360 cagacaacta tacaccagca aacccactta atacacccc acatatcaag cccgaatgat 420 acttectatt tgeataegea ateeteegat caatteetaa caaactagga gg 472

```
<210> 212
<211> 25
<212> DNA
<213> Artificial Sequence
<220>
<223> Universal primer for amplifying a fragment of cytochrome b
      gene of animal species in polymerase chain reaction
<400> 212
taccatgagg acaaatatca ttctg
                                                                          25
<210> 213
<211> 26
<212> DNA
<213> Artificial Sequence
<220>
<223> Universal primer for amplifying a fragment of cytochrome b
      gene of animal species in polymerase chain reaction
<400> 213
cctcctagtt tgttagggat tgatcg
                                                                          26
<210> 214
<211> 23
<212> DNA
<213> Artificial Sequence
<220>
<223> Primer for amplifying a fragment of cytochrome b
      gene of animal species in polymerase chain reaction
<400> 214
tagtagaat gaatctgagg agg
                                                                          22
<210> 215
```

<211> 23

```
<212> DNA
 <213> Artificial Sequence
 <220>
 <223> Primer for amplifying a fragment of cytochrome b
       gene of animal species in polymerase chain reaction
 <400> 215
 atgcaaata ggaagtatca ttc
                                                        22
 <210> 216
 <211> 472
 <212> DNA
 <213> Aepyceros melampus
 <400> 216
tgccatgagg acaaatatca ttctgaggag caacagtcat tacaaatctc ctctcagcaa
                                                                       60
tcccatacat tggtacaaac ctagtagaat gaatctgagg aggnttntca gtagacaaag
                                                                      120
caaccetnac cegatttttc gcyttccact tcatcyttcc attcatcatt geggcactag
ccatagtcca cctactcttt cttcacgaaa caggatctaa caaccctaca ggaatcttat
                                                                      180
240
                                                                      300
tattaataat totagtoota atactootag tactattoat accogacota ctaggagaco
                                                                      360
cagacaanna catccccgca aacccactca acacccctcc ccacatcaag cccgaatggt
                                                                      420
acttcctgtt ngcatacgca atcctacgat caatccccaa taaactagga gg
                                                                      472
<210> 217
<211> 472
<212> DNA
<213> Oreotragus oreotragus
<400> 217
ttccgtgagg acaaatatca ttttgagggg ctacagtcat tactaatctc ctctcagcaa
                                                                       60
ttccatatat tggcacaaac ctggtagaat gaatctgagg aggattctcg gtggacaaag
                                                                      120
caaccettac cegattettt geettteact teatetttee atttateate geageectag
                                                                      180
ccatagtaca cctactcttt ctccacgaaa cagggtccaa taaccccaca ggaatctcat
                                                                      240
cagacacaga caaaatccca tttcatcctt attacacaat caaagatatc ctaggcgccc
                                                                      300
tattactaat totagottta ttactottag tattattcac acctgaccta cttggagacc
                                                                      360
cagataacta caccccagca aacccactca acactccccc tcacattaaa ccagaatggt
                                                                      420
atttnctatt ngcatatgca atcctacgat caatccccaa taaactagga gg
                                                                      472
<210> 218
<211> 472
```

<212> DNA

,

## <213> Addax nasomaculatus,

### <400> 218

	acaaatatca					60
tcccatatat	cggcacagac	ctggtcgaat	gaatctgagg	aggattctcc	gtagacaaag	120
	ccgatttttc					180
					ggaatctcct	240
					ttaggcgccc	300
tactactaat	tctagtcctc	atactactag	tattattcac	acccgaccta	cttggagacc	360
	taccccagca					420
atttcctatt	tgcatacgca	attctacgat	caatccccaa	caaactagga	aa	472

<210> 219

<211> 472

<212> DNA

<213> Oryx damah

<400> 219

taccatgagg	acaaatatca	ttttgagggg	caacagttat	cactaacctt	ctctcagcaa	60
	cggcacaaat					120
caaccctcac	ccgatttttc	gccttccact	ttattctccc	ttttattatc	gctgcccttg	180
ccatagtcca	cctactcttt	ctccacgaaa	caggctccaa	caaccctaca	ggaatcacct	240
cagacacaga	caaaattccg	ttccaccctt	attataccat	taaagatatc	ttaggcgccc	300
tactactaat	cctagccctt	atgttgctag	tattattcgc	acccgaccta	cttggagacc	360
cagataatta	tacaccagca	aatccactta	acacacccc	tcacatcaaa	cccgaatgat	420
atttcctatt	tgcatatgcg	atcttacgat	caatccccaa	caaactagga	gg	472

<210> 220

<211> 472

<212> DNA

<213> Hippotragus equinus

<400> 220

taccatgagg	acaaatatca	ttctgaggag	caacagtcat	caccaacctc	ctctcagcaa	60
tcccatatat	tggcacaaac	ctagtcgaat	gaatctgagg	gggattctcc	gtagacaaag	120
		gccttccact				180
		ctccatgaga				240
		ttccacccct				300
		atactactag				360
		aacccactca				420
attttttatt	cgcgtacgca	attctacgat	cgatccccaa	taagctggga	aa	472

<210> 221

<211> 472

#### <212> DNA

### <213> Alcelaphus buselaphus

#### <400> 221

tgccatgagg	acaaatatca	ttctgagggg	caacagtcat	caccaatctc	ctctcagcaa	60
tcccatatat	tggcacagac	ctagtagaat	gaatctgagg	gggattctca	gtagacaaaq	120
caacccttac	ccgattttt	gccttccact	tcattcttcc	attcatcatt	gcagcccttq	180
ccatagttca	cctcttattc	ctccacgaaa	caggatctaa	caaccccaca	ggaatctcat	240
cagacgcaga	taaaatccca	ttccacccct	actatacaat	caaggacatt	ctaggcgccc	300
tattactaat	cctagccctc	atactactag	tactattcgc	acccgacctg	ctcggagacc	360
cagacaacta						420
atttcctatt	tgcatatgca	atcctacgat	caatccctaa	caaactagga	aa	472

<210> 222

<211> 472

<212> DNA

<213> Sigmoceros lichtensteinii

# <400> 222

tgccatgagg	acaaatatca	ttctgagggg	caacagtcat	caccaatctc	ctctcagcaa	60
					gtagacaaag	120
					gcagcccttg	180
					ggaatctcgt	240
					ctaggcgccc	300
					ctcggagacc	360
cagacaacta						420
atttcctatt	tgcatacgca	atcctacgat	caatccctaa	caaactagga	gg	472

<210> 223

<211> 472

<212> DNA

<213> Beatragus hunteri

### <400> 223

tgccatgagg	acaaatatca	ttctgaggag	caacagtcat	caccaacctc	ctctcagcaa	60
ttccatatat	tggtacaaac	ctagtcgaat	gaatctgagg	aggcttctca	gtagacaaag	120
caaccctcac	ccgattttc	gctttccact	ttattctccc	atttatcatt	acagcccttg	180
					ggaatctcgt	240
					ctaggcgccc	300
					ctcggagacc	360
					cccgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccccaa	taaactagga	aa	472

```
<211> 472
 <212> DNA
 <213> Damaliscus lunatus
 <400> 224
 tgccatgagg acaaatatca ttctgaggag caacagtcat cactaacctc ctctcagcaa
                                                                           60
 ttccatacat cggcacaaat ctagtcgaat ggatctgagg gggcttctca gtagacaaag
                                                                          120
 ccaccetcae ecgattettt geetteeact teatetteee atttateate gtagetettg
                                                                          180
 ccatagtgca cctcttattc ctccatgaaa caggatctaa caaccccaca ggaatctcat
                                                                          240
 cagatgcgga caaaatcccg tttcacccct actacactat caaagacgcc ctaggggccc
                                                                          300
tactactaat totagecete atactactag tactatttgc accegacetg eteggagace
                                                                          360
 cagacaacta cacccctgca aacccactca acacgccccc tcacatcaag cccgagtgat
                                                                          420
atttcctatt cgcatacgca atcctacgtt cgatccccaa cgagctagga gg
                                                                          472
<210> 225
<211> 472
<212> DNA
<213> Connochaetes taurinus
<400> 225
taccatgagg acaaatatcc ttttgaggag caacagtcat caccaacctc ctctcagcaa
                                                                          60
tcccatacat tggcactaac ctagtcgaat gaatctgagg gggattctca gtagacaaag
                                                                         120
caaccettae ecgattitte geetteeact teatteetee atttateate acageeettg
                                                                         180
ctatagtcca tctcctattc ctccacgaaa caggatctaa caatcccaca ggaatttcat
                                                                         240
ccgacaccga taaaatccca ttcccccct attacaccat caaagacatc ctaggcgctc
                                                                         300
tattactaat tctagcccta atactactag tactattcgc gcccgattta cttggagacc
                                                                         360
cagacaacta caccccgca aatccactca acacacccc tcacatcaag cccgaatgat
                                                                         420
acttectatt tgeatatgea atectaegat caateeceaa eggaetagga gg
                                                                         472
<210> 226
<211> 472
<212> DNA
<213> Bison bonasus
<400> 226
taccatgagg acaaatatca ttttgaggag caacagtcat taccaacctc ctatcagcaa
                                                                          60
tcccatacat cggcacaaat ctagtcgaat gaatctgagg cggattctca gtagacaaag
                                                                         120
caaccettae eegattitte gettteeact ttateeteee atttattate atageaattg
                                                                         180
ccatagttca cctactattc ctccacgaaa caggttctaa caatccaaca ggaatttcct
                                                                         240
cagacacaga caaaattcca ttccaccctt actataccat taaagacatc ctaggagcct
                                                                         300
tattactaat tctaactcta atactactag tactattcgc accggacctc ctcggagacc
                                                                         360
cagataacta caccccagca aatccactta acacacctcc ccacatcaaa cccgaatgat
                                                                         420
acttettatt tgeatangea attttaeggt caateeceaa caaactagga gg
                                                                         472
```

```
<211> 472
<212> DNA
<213> Bos grunniens
<400> 227
taccatgagg acaaatatca ttttgagggg caacagtcat taccaacctc ctatcagcaa
                                                                         60
ttccatacat cggcacaaat ttagtcgaat ggatttgagg tgggttctca gtagacaaag
                                                                         120
caaccetcae cegattette gettteeaet ttateeteee atttattatt acageaattq
                                                                        180
ccatagtcca cctactattc ctccacgaaa caggctccaa caatccaaca ggaatctcct
                                                                        240
cagacgcaga caaaattcca tttcacccct actataccat taaagacatc ttaggagcct
                                                                        300
tattactaat totagoocta atacttotgg tactattoac accogacoto eteggagaco
                                                                        360
cagacaacta cacccagca aatccactca acacacctcc ccacatcaaa cccgaatgat
                                                                        420
acttettatt tgcatacqca attttacqat caatccccaa taaactaqqa qq
                                                                         472
<210> 228
<211> 472
<212> DNA
<213> Bos tragocamelus
<400> 228
taccatgagg acaaatatca ttttgaggag caacagttat taccaatcta ttatcaqcaa
                                                                         60
toccatacat cggcacaaac ctagttgaat gaatctgagg cgggttctca gtagacaaag
                                                                        120
caaccctaac cogattette getttecact ttatectece atteateatt geageceteg
                                                                         180
caataatcca tctactcttc ctccatgaaa cagggtctaa caatccaaca ggaatttcat
                                                                         240
cagacgcaga taaaatccca tttcacccct actacactat taaagacatt ctaggagccc
                                                                         300
tactacttat totagocota ataatactag tactattogo accogacoto otoggagaco
                                                                        360
cagacaacta caccccagca aacccactta gcacacctcc ccatattaag cccgaatggt
                                                                         420
atttcctgtt cgcatacgca attctacgat caatccccaa caaactagga gg
                                                                         472
<210> 229
<211> 472
<212> DNA
<213> Bubalus bubalis
<400> 229
tgccatgagg acaaatatca ttctgagggg caacagtcat caccaacctt ctctcagcaa
                                                                         60
tcccatacat tggtacaagt ctggttgaat gaatttgagg gggattctca gtagacaaag
                                                                         120
caaccetcae cegattette geattteaet teatecteee atteattate geaggaettg
                                                                         180
caatagtcca cctattattt ctccacgaaa caggatccaa caacccaaca ggaatctcat
                                                                         240
cagacacaga caaaatccca ttccacccct attacaccat taaagacatc ctaggcgccc
                                                                         300
tactattaat cctaqcccta atactattaq tactattcqc acccqacctc ctcqqqqacc
                                                                         360
cagacaacta caccccagca aacccactca acacacctcc ccacatcaag cctgaatggt
                                                                         420
acttectatt egeataegea atettaegat caatteetaa caaactagga gg
                                                                         472
```

```
<210> 230
<211> 472
<212> DNA
<213> Bubalus mindorensis
<400> 230
tgccatgagg acaaatatca ttctgaggag caacagtcat caccaacctt ctctcagcaa
                                                                          60
teccatacat tggcacaaac ctagttgagt gaatttgagg gggattetea gtagacaaag
                                                                         120
caaccetcae cegattette geattteact teatecteec atteattate geageacttg
                                                                         180
caatagtcca cctattattt ctccacgaaa caggatccaa caacccaaca ggaatctcat
                                                                         240
cagacacaga caaaatccca ttccacccct actacaccat taaagacatt ctaggcgccc
                                                                         300
tgctattaat cctagcccta atactattag tactattcac acccgacctc ctcggggacc
                                                                         360
cagacaacta caccccagca aacccactca acacacctcc ccatatcaaa cctgaatggt
                                                                         420
acttcctatt cgcatacgca atcttacgat cagttcctaa caaactagga gg
                                                                         472
<210> 231
<211> 472
<212> DNA
<213> Tragelaphus angasii
<400> 231
tgccatgagg acaaatatca ttctgaggag caacggtcat cacaaacctc ctatcagcaa
                                                                          60
tcccatatat tggcaccaac ctagttgaat gaatctgagg aggcttctcg gtagacaagg
                                                                         120
caaccetaac cegattttte geettecaet teatecteee gtttattatt acagegetgg
                                                                         180
ttatggtcca cctattattc ctccatgaaa caggatccaa caacccaaca ggaatctcat
                                                                         240
cagacataga caaaattcca ttccacccct attacactat caaggacatc ctaggcgccc
                                                                         300
tactattaat cctagcccta atagtactag tactattcac acctgacctc ctcggagacc
                                                                         360
ccgacaacta caccccagcg aaccccctca atacacctcc ccatatcaaa cctgaatgat
                                                                         420
atttcctgtt cgcatatgca atcctacgat ctatccccaa caagctagga gg
                                                                         472
<210> 232
<211> 472
<212> DNA
<213> Tragelaphus eurycerus
<400> 232
taccatgagg acaaatatca ttttgaggag caacagtcat cacaaacctt ctatcagcaa
                                                                          60
tcccttatat tggcaccagc ctagtcgaat gaatctgagg gggcttttca gtagacaaag
                                                                         120
caaccttaac ccgattcttc gccttccact ttatccttcc atttattatt acagcactag
                                                                         180
ccatggtaca cctactattc ctccacgaaa caggatccaa caacccaaca ggratctcat
                                                                         240
craacataga caaaattcca tttcaccctt actacactat taaggacatc ctaggtgccc
                                                                         300
tactgctaat cctaactcta atactcctag tactattcgc acccgacctt ctcggagacc
                                                                         360
ccgacaacta caccccagca aacccactca acacaccacc tcatatcaaa cctgaatgat
                                                                         420
acttectatt egeatatgea atectaegat caateeetaa taaaetagga gg
                                                                         472
```

```
<210> 233
<211> 472
<212> DNA
<213> Nemorhaedus caudatus
<400> 233
taccatgagg acagatatca ttctgagggg caacagttat taccaatctt ctctcagcaa
                                                                          60
tcccatatat tggcacaaac ctagtcgaat gaatctgagg gggattctca gtagacaaag
                                                                         120
ctactctcac ccgattcttc gccttccact tcatcctccc atttatcatt acagctactg
                                                                         180
ctatagtcca cctacttttc ctccatgaga taggatccaa caaccccaca ggtatcccat
                                                                         240
cagacataga caaaatccca tttcaccctt attatacaat caaagatatt ctaggcgcta
                                                                         300
tactactaat cctcaccctt attttactgg tattattcac acctgactta cttggagatc
                                                                         360
cagacaacta taccccagca aacccactca gcacaccccc tcacattaaa cctgaatgat
                                                                         420
attteetatt tgeatatgea atettaegat eaateeceaa taaaetagge gg
                                                                         472
<210> 234
<211> 472
<212> DNA
<213> Pseudois nayaur
<400> 234
tgccatgagg acaaatatca ttttgagggg caacagtcat caccaacctt ctctcagcaa
                                                                          60
tcccctatat tggcacaaat ctagtcgaat ggatctgagg gggattctca gtagacaagg
                                                                         120
ccacteteae ecgattette geetteeaet teateetee atttattatt atageeeteg
                                                                         180
ccatagtcca cctacttttc ctccacgaaa caggatctaa caaccccaca ggaatcccat
                                                                         240
cagacacaga caaaatccca ttccaccctt actacaccat taaagatatt ctaggcgctg
                                                                         300
cactgctaat cctcgccctg atattactag tattatttac acccgaccta ctcggagacc
                                                                         360
cagacaacta caccccagca aacccactca acacacccc tcacattaaa cccgagtgat
                                                                         420
acttectatt tgcatacgca atcetacgat caatteecaa caagetagga gg
                                                                         472
<210> 235
<211> 472
<212> DNA
<213> Ammotragus lervia
<400> 235
tgccatgagg acagatatca ttctgagggg caacagtcat caccaacctt ctctcagcaa
                                                                          60
tcccatacat tggcacagac ctggtcgaat gaatctgagg gggattctca gtagacaaag
                                                                         120
ctactctcac ccgattcttc gccttccact tcatcctccc atttgtaatc gcagccctag
                                                                         180
ccatagtcca cttacttttc ctccatgaaa cgggatccaa caaccccaca ggaatttcat
                                                                         240
cagacgcaga caaaatccca ttccaccctt actacaccat caaagatatt ctaggcgcca
                                                                         300
tgctactaat cctcaccctc acactactag tactatttac acccgatcta ctcggggacc
                                                                         360
cagacaacta taccccagca aatccactca acacacccc tcatattaaa cctgaatgat
                                                                         420
actteetatt tgeataegea ateetaegat caateeetaa taaaetggga gg
                                                                         472
```

```
<210> 236
<211> 472
<212> DNA
<213> Capra falconeri
<400> 236
taccatgagg acaaatatca ttctgagggg caacagtcat caccaatctc ctctcagcaa
                                                                          60
tcccatatat tggcacaaac ctagtcgaat gaatctgagg aggattctca gtagataaag
                                                                         120
ccacceteae ecgattette geetteeaet ttateeteee atteateatt geaggeeteg
                                                                         180
ccatagtcca cctactcttc ctccacgaaa caggatccaa caatcccaca ggaattccat
                                                                         240
cagacacaga caaaatccca tttcaccctt actacaccat taaagatatc ctaggcgcca
                                                                         300
tactactaat tetegeeetg atgetaetag tactatteae acetgaeeta eteggagaee
                                                                         360
cagataacta tatcccagca aatccactca atacaccccc tcatatcaaa cctgaqtqqt
                                                                         420
acttectatt tgeataegea ateetaegat eaateeeeaa eaaaetagga qq
                                                                         472
<210> 237
<211> 472
<212> DNA
<213> Capra ibex
<400> 237
taccatgagg acaaatatca ttctgagggg caacagtcat cactaacctt ctctcagcaa
                                                                          60
tcccatatat tggcacaaac ctagtcgaat gaatctgagg gggattctca qtaqacaaaq
                                                                         120
ccacteteae eegattette geetteeaet teateeteee atteateatt acaqeeeteg
                                                                         180
ccatagtcca cctgctcttc ctccacgaaa cgggatccaa caaccccaca ggaattccat
                                                                         240
cagacacaga caaaatccca ttccacccct actacaccat taaagatatc ttaggcgcca
                                                                         300
tgctactaat tcttgtccta atattactag tactattcac acccgaccta ctcggggacc
                                                                         360
cagacaacta taccccagca aacccactca atacaccccc tcacattaaa cctgaatgat
                                                                         420
atttcctatt tgcatacgca atcctacgat caattcccaa caaactaggg gg
                                                                         472
<210> 238
<211> 472
<212> DNA
<213> Hemitragus jemlahicus
<400> 238
taccatgagg acagatatca ttctgagggg caacagtcat caccaacctt ctctcagcaa
                                                                          60
ttccatatat cggcacaaac ctagtcgaat gaatctgagg aggattctca gtagacaaag
                                                                         120
ctaccctaac ccgattette getttecaet teattetece atteateatt geageceteg
                                                                         180
ccatagtcca cctgctcttc ctccacgaaa cagggtccaa caaccccaca gggattccat
                                                                         240
cagatacaga caaaatccca tttcaccctt actacaccat taaagatatt ttaggcgcca
                                                                         300
tactactaat tottgtocta atattactag tactatttat accogaccta cttggagacc
                                                                         360
cagacaacta taccccagca aatccactca acacacccc tcacattaaa cctgaatgat
                                                                         420
attttctatt tgcatacgcg atcctacgat caattcccaa caaactagga gg
                                                                         472
```

```
<210> 239
<211> 472
<212> DNA
<213> Rupicapra pyrenaica
<400> 239
taccatgagg acagatatca ttctgaggag caacagttat taccaatctc ctctcagcaa
                                                                          60
tcccatacat tggcatagac ttagtcgagt gaatctgagg gggcttctcg gtagacaaag
                                                                         120
ctacceteae ecgattettt geettteaet teateeteee atteateatt geageettag
                                                                         180
ccatagtcca cctactette etecatgaaa caggatcaaa caaccecaca ggaatcecat
                                                                         240
cagatgegga traaateeca ttteaeceet actataceat taaagaeatt etaggegeea
                                                                         300
tactactaat cctcaccctt atactactgg tactatttac acctgaccta ctcggagacc
                                                                         360
cagataacta taccccagcg aacccactca acacacccc tcacatcaaa cccgaatgat
                                                                         420
atttcttgtt tgcatatgcg atcctacgat caattcccaa caaacttgga gg
                                                                   472
<210> 240
<211> 472
<212> DNA
<213> Rupicapra rupicapra
<400> 240
taccatgagg acagatatca ttctggggag caacagttat taccaacctc ctctcagcga
                                                                          60
tcccgtatat tggcacagac ttagtcgaat gaatctgagg aggcttctcg gtagacaagg
                                                                         120
ctaccetcae ecgattettt geetteeact teateeteec atttateatt geageettag
                                                                         180
ccctagtcca cctactcttc ctccacgaaa caggatctaa caaccccaca ggaatcccat
                                                                         240
cagatgcgga caaaatccca tttnacccct attataccat caaagacatt ctgggcgcca
                                                                         300
tactactaat cctcaccctc atactactag tactattnac acctgaccta ctcggagacc
                                                                         360
cagataatta caccccagcg aacccactca acacacccc tcacattaaa cccgagtgat
                                                                         420
atttcttatt tgcatatgca attctacgat caatccccaa caaacttgga gg
                                                                         472
<210> 241
<211> 472
<212> DNA
<213> Pantholops hodgsoni
<400> 241
taccatgagg acaaatatca ttctgaggag caacagtaat taccaacctc ctttcagcaa
                                                                          60
teccatacat tggcacagae etagtegaat gaatetgagg gggattetea gtagacaaag
                                                                         120
ctaccettae cegattettt geetteeatt teatteteec atteateate geageecteg
                                                                         180
ccatagtcca cctactcttc ctccacgaaa caggatccaa caaccccaca ggaattccat
                                                                         240
cagatgcaga caaaatccca tttcacccct actataccat taaagacatc ctaggcgcta
                                                                         300
tactactaat cctaatcctc atattactag tactattttc acccgaccta ctcggagacc
                                                                         360
cagacaatta taccccagca aaccccctca acacaccacc ccacattaaa cctgaatggt
                                                                         420
actttctatt tgcatacgca atcctacgat caatccccaa caaactagga gg
                                                                         472
```

```
<210> 242
<211> 472
<212> DNA
<213> Budorcas taxicolor taxicolor
<400> 242
taccatgagg acaaatatca ttttgaggag caacagtcat taccaacctc ctctcagcaa
                                                                          60
tcccatacat tggcacaaac ctagttgagt gaatctgagg aggattctca gtagacaaag
                                                                         120
cateceteae eegattettt geettteaet teateeteee atttateate geagaceteg
                                                                         180
ccatagtcca tttacttttc ctccacgaaa caggatccaa caaccccaca ggaattccgt
                                                                         240
cagatgcaga taaaattcca tttcaccctt attacaccat taaagatatc ctaggagtca
                                                                         300
tactactaat cctcgtcctc atgttgctag tactatttat acttgacgta cttggagacc
                                                                         360
cagataatta taccccagca aatccactca acacacccc tcacatcaaa cctgaatgat
                                                                         420
atttcctatt tgcatacgca atcttacgat caatccccaa caaactagga gg
                                                                         472
<210> 243
<211> 472
<212> DNA
<213> Ovis ammon
<400> 243
taccatgagg acaaatatca ttctgaggag caacagttat taccaacctc ctttcagcaa
                                                                          60
ttccatatat tggcacaaac ctagtcgaat gaatctgagg gggattctca gtagacaaag
                                                                         120
ccaccetgae ccgattette geettteact ttattttece atteateate geageceteg
                                                                         180
ccatagtcca cctactcttc ctccacgaaa caggatccaa caaccccaca ggaatcccat
                                                                         240
cggacacaga taaaattccc ttccaccctt actacaccat taaagacatc ctaggtgcca
                                                                         300
tectactaat ecteaceete atactactag tactatteae geetgaeeta eteggagaee
                                                                         360
cagacaacta caccccagca aacccactta acactcccc tcacatcaaa cctgaatgat
                                                                         420
acttcctatt tgcatacgca atcttacgat caatccctaa taaactagga gg
                                                                         472
<210> 244
<211> 472
<212> DNA
<213> Ovis vignei
<400> 244
taccatgagg acaaatatca ttctgaggag caacagttat taccaacctc ctttcagcaa
                                                                          60
ttccatatat tggcacaaac ctagtcgaat gaatctgagg aggattctca gtagacaaag
                                                                         120
ctaccetcae ecgattitte geettteact ttattttece atteateate geageeeteg
                                                                         180
ctatagttca cctactcttc ctccacgaaa caggatccaa taaccccaca ggaattccat
                                                                         240
cggacacaga caaaatcccc ttcnnnnnnn nnnnnnnat taaagacatt ctgggtgcca
                                                                         300
tectactaat ecteatecte atgetgetag tactatteae geetgaetta ettggagaee
                                                                         360
cagacaacta caccccagca aacccactta acactccccc tcacatcaaa cctgaatgat
                                                                         420
atttcctatt tgcatatgca atcttacgat caatccctaa taaactagga gg
                                                                         472
```

```
<210> 245
<211> 472
<212> DNA
<213> Capcornis crispus
<400> 245
taccatgagg acaaatatca ttctgagggg ctacagtcat tactaacctc ctctcagcaa
                                                                         60
toccatatat tggcacaaac ttagtagaat gaatotgagg aggattotoc qtagacaaag
                                                                        120
ccaccctcac ccgattettt gccttccatt tcattctccc attcatcatc acagcctcq
                                                                        180
ccatagtgca cctacttttc ctccacgaaa caggatccaa caaccccaca ggaatctcat
                                                                        240
cagacacaga caaaatccca ttccaccct actacacaat caaaqatatc ctaqqcatcq
                                                                        300
tgctactaat cctcaccctc atactactag tactgttcac acccqaccta ctcqqaqacc
                                                                        360
cagacaacta cactecagca aacceactca acacacece teacatcaag ceegagtgat
                                                                        420
acttectatt tgeataegea ateetaegat caateeecaa caaactagge gg
                                                                        472
<210> 246
<211> 472
<212> DNA
<213> Ovibos moschatus
<400> 246
taccatgagg acaaatatca ttctgaggag ctacagtcat cactaacctc ctctcagcaa
                                                                         60
teccatacat eggeacaaac etagtegaat gaatetgagg aggattetee gtagacaaag
                                                                        120
ccaccetcae cegatttttt getttteact ttateeteec atttateate gtageecteg
                                                                        180
ctatagtaca tttgctcttc ctccacgaaa caggatccaa caaccccaca ggaattccat
                                                                        240
cagacacgga caaaatccca ttccacccct actatacaat caaagacatt ctaggcgcca
                                                                        300
tactactaat cettaceett atactactag tattatteae accegaceta ettggagace
                                                                        360
cagacaacta taccccagca aacccactca acacacccc tcacattaaa ccagagtgat
                                                                        420
acttectatt tgeataegea atectaegat eaatteetaa eaaactagge gg
                                                                        472
<210> 247
<211> 472
<212> DNA
<213> Oreamnos americanus
<400> 247
taccatgagg acaaatatca ttctgaggag caacagttat taccaacctc ctttcagcaa
                                                                         60
ttccatatat tggcacaaac ctagtcgaat gaatctgagg gggattctca gtagacaaag
                                                                        120
ccaccetgac eegattette geettteact ttatttteee atteateate geageetteg
                                                                        180
ccatagteca cetactette etccaegaaa caggatecaa caaccecaca qqaateccat
                                                                        240
cggacacaga taaaattccc ttccaccctt actacaccat taaagacatc ctaggtgcca
                                                                        300
tectactaat ceteaceete atactaetag taetatteae geetgaeeta eteggagaee
                                                                        360
cagacaacta caccccagca aacccactta acactccccc tcacatcaaa cctgaatgat
                                                                        420
acttectatt tgcatacgca atettacgat caateectaa taaactagga gg
                                                                         472
```

```
<210> 248
<211> 472
<212> DNA
<213> Cephalophus dorsalis
<400> 248
toccatgagg gcaaatatca ttotgaggag ccacagtcat taccaacctc ctotcagcaa
                                                                          60
teccatacat tggtacaaac ttagtegaat gaatetgagg aggettttea gtagacaaag
                                                                         120
caactctcac ccgattcttt gctttccact ttatcttccc ttttattatt gcagccctcg
                                                                         180
ccataqttca cctactcttc ctccatgaaa caggatccaa caaccccaca ggagtctcat
                                                                         240
cggacgcaga caaaatccca ttccacccct actacaccat taaagacatc ctaggcgccc
                                                                         300
tactactcat totagcccta ataatcctag tattattctc acccgactta cttggagacc
                                                                         360
caqataacta caccccagca aacccactca acacacctcc ccatattaaa cccgaatgat
                                                                         420
acttcctatt tgcatacgca atcctacgat caattccaaa caaactagga gg
                                                                         472
<210> 249
<211> 472
<212> DNA
<213> Cephalophus maxwellii
<400> 249
tcccatgagg acaaatatca ttctgaggag ccacagtcat taccaacctc ctctcagcaa
                                                                          60
tcccatatat cggcacaaac ttagttgagt gaatctgagg gggcttttca gtagacaaag
                                                                         120
caaccetcae tegattttte geetteeact ttatetteec atttateate geageeettg
                                                                         180
ccatagtcca cctactattc ctccacgaaa caggatctaa taaccccaca ggaatctcat
                                                                         240
cagacgcaga caaaatcccg ttccacccct actacactat caaagacatc ctaggcgccc
                                                                         300
tattacttat totagoccta ataatoctag tactattoto accogactta ctoggagato
                                                                         360
                                                                         420
cagataatta tactccagca aacccactta acacacctcc ccacatcaag cccgaatgat
atttcctatt cgcgtacgca attctacgat caattccaaa taaattagga gg
                                                                         472
<210> 250
<211> 472
<212> DNA
<213> Alces alces
<400> 250
                                                                          60
taccatgagg acagatatca ttctgagggg caacagtcat tactaacctc ctttcagcaa
                                                                         120
ttccatacat tggtactaat ctagttgaat gaatttgagg cggtttttca gtagacaaag
                                                                         180
caactctaac cegatttttc gccttccact ttattctccc atttatcatc gcagcacttg
                                                                         240
ccataqtcca cttacttttc ctccacqaaa caggatccaa caacccaaca ggaattccat
cagacgcaga caaaatccca tttcaccctt actacactat caaagatatc ttaggtgccc
                                                                         300
                                                                         360
tactettaac tetttteeta atactaetag tactetttte accagacetg ettggagace
                                                                         420
cagacaacta caccccaget aatccactca acacacccc tcatattaag cctgaatggt
                                                                         472
atttettatt tgeataegea attetaegat eaateeeeaa taaaetaggg gg
```

```
<210> 251
<211> 472
<212> DNA
<213> Hydropotes inermis
<400> 251
                                                                         60
ttccatgagg acaaatatca ttctgaggag caacggtcat tactaatctc ctgtcagcaa
ttccatacqt cggtacaaat ctagtcgaat gaatctgagg tggcttttca gtagataaag
                                                                         120
ctaccetgae eegattette geetteeact teattettee atttateatt geagetettg
                                                                         180
ccatagtgca cttacttttt ctccacgaaa caggatccaa taacccaaca ggaattccat
                                                                         240
caqatqcaqa taaaattcca tttcatccct actacaccat taaagatatt ctaggtgtac
                                                                         300
teettetaat tetttteeta atgttattag teetatttte acetgacetg ettggagace
                                                                         360
caqacaatta tactccagca aacccactca atacaccccc tcacattaaa ccagaatgat
                                                                         420
atttcttatt tqcatacqca attctacqat ctatccctaa caaattagga gg
                                                                         472
<210> 252
<211> 472
<212> DNA
<213> Muntiacus muntjak
<400> 252
taccatgagg acaaatatca ttttgaggag caacagtcat cactaacctc ctttcagcaa
                                                                          60
ttccatatat tqqcacaaac ttagtcqaat gaatctgagg aggcttttca gttgataaag
                                                                         120
caacceteae ecqattettt geetteeaet ttateeteee atttattatt geageaettg
                                                                         180
ctatagtcca cctacttttc ctccacgaaa caggatccaa caatccaaca ggaattccat
                                                                         240
caqatqtaqa caaaattcct ttccatccct actataccat taaagatatt ttaggtgccc
                                                                         300
tacttctaat tetetteeta atattattag tattattegt accagacetg eteggagace
                                                                         360
ccgacaatta taccccagca aacccactca atacaccccc tcacatcaag cctgaatgat
                                                                         420
                                                                         472
atttcctatt tgcatacgct attctacgat caattcctaa caaactagga gg
<210> 253
<211> 472
<212> DNA
<213> Cervus elaphus kansuensis
<400> 253
taccatgagg acaaatatca ttctgaggag caacagtcat taccaacctt ctctcagcaa
                                                                          60
ttccatacat tggcacaaac ctagtcgaat ggatctgagg aggcttttca gtagataaag
                                                                         120
caaccctaac ccgatttttc gctttccact ttattctccc atttatcatc gcagcactcg
                                                                         180
                                                                         240
ctataqtaca cttactcttc cttcacgaaa caggatccaa taacccaaca ggaatcccat
cagacgcaga caaaatcccc ttccatcctt actataccat taaagatatc ttaggcatct
                                                                         300
                                                                         360
tacttctaqt actcttccta atattactag tattattcgc accagacctg cttggagacc
                                                                         420
caqacaacta taccccaqca aatccactca atacaccccc tcacattaaa cctgaatgat
                                                                         472
atttectatt tqcatacqca atcctacqat cqatteccaa caaactagga gg
```

```
<210> 254
<211> 472
<212> DNA
<213> Cervus elaphus xanthopygus
<400> 254
taccatgagg acaaatatca ttctgaggag caacggtcat taccaacctt ctctcagcaa
                                                                          60
ttccatacat tggcacaaac ctagtcgaat ggatctgagg aggcttttca gtagataaag
                                                                         120
caaccctaac ccgatttttc gctttccact ttattctccc atttatcatc gcagcactcg
                                                                         180
ctatagtaca cttactcttc cttcacgaga caggatccaa taacccaaca ggaattccat
                                                                         240
cagacgcaga caaaatcccc ttccatcctt actataccat taaagatatc ttaggcatct
                                                                         300
tacttctagt actcttccta atattactag tattattcgc accagacctg cttggagacc
                                                                         360
cagacaacta taccccagca aatccactca acacaccccc tcacattaaa cctgaatgat
                                                                         420
atttcctatt tgcatacgca atcctacgat cgattcccaa caaactagga gg
                                                                         472
<210> 255
<211> 472
<212> DNA
<213> Cervus elaphus canadensis
<400> AB021096
taccatgagg acaaatatca ttctgaggag caacagtcat taccaacctt ctctcagcaa
                                                                          60
ttccatacat tggcacaaac ctagtcgaat gggtctgagg aggcttttca gtagataaag
                                                                         120
caaccctaac ccgattcttc gctttccact ttattctccc atttatcatc gcagcactcg
                                                                         180
ctatagtaca cttactcttc cttcacgaga caggatctaa taacccaaca ggaatcccat
                                                                          240
cagacgcaga caaaatcccc ttccaccctt actatacgat taaagatatc ttaggtatct
                                                                          300
                                                                          360
```

tacttctaat actcttccta atattactag tattattcgc accagatctg cttggagacc cagacacta taccccagca aatccactca acacacccc tcacattaaa cctgaatgat

atttcctatt tgcatacgca atcctacgat caattcccaa caaactagga gg

420 472